

June 24, 2020
File No. 25216050.01

Mr. John Hnat
Wisconsin Department of Natural Resources
2300 N. Dr. Martin Luther King, Jr. Drive
Milwaukee, WI 53212-3128

Subject: SVE System
PSK Investments
9922 W. Capital Drive
Milwaukee, WI
BRRTS: 03-41-546764 Phillips 66 Station

Dear Mr. Hnat:

As required by the Settlement Agreement, PSK Investments installed a soil vapor extraction (SVE) system near the car wash building at the gas station located at 9922 W. Capital Drive, Milwaukee, Wisconsin. The SVE system consists of two SVE wells, a moisture knockout tank, an SVE blower, piping, an enclosure, and controls. The construction of the SVE system is documented in a Construction Documentation Report included in **Appendix A**.

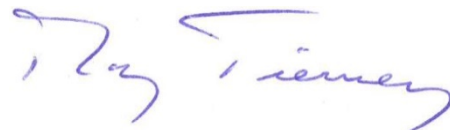
The SVE system started operation on April 9, 2020, and has operate continuously since then. A Remediation Site Operation, Maintenance & Monitoring Report, (Wisconsin Department of Natural Resources [WDNR] Form 4400-194), has been completed and is included in **Appendix B**. Sampling of the exhaust gas of the SVE system for total volatile organic compounds (TVOCs) and benzene has been completed and is included with the Operation, Maintenance & Monitoring (OM&M) Report. The results of the laboratory analysis of the SVE exhaust gas samples show that the SVE system is having limited effect in removing petroleum compounds from the subsurface. As shown in the OM&M report, the average contaminant removal rate for the SVE system is 0.005 pounds per day. The last samples obtained from the SVE system exhaust on June 1, 2020, showed the level of TVOCs and benzene in the exhaust gas to be below the detection limit of the laboratory methods.

Based on the limited removal on the sub-surface contamination, SCS Engineers recommends that the SVE system be turned off and removed from the site. The removal rate of petroleum compounds appears to be limited by the clay soil and is expected to decrease during continued operations.

Sincerely,



Keith R. Gilkey, PE
Senior Design Engineer
SCS Engineers



Ray Tierney, PG
Vice President
SCS Engineers

KRG/AJR/RT



Mr. John Hnat

June 24, 2020

Page 2

cc: J. Singh – PSK Investments

Thomas A Cabush – Cabush, Kasdorf, Lewis & Swietlik, SC

David G. Peterson – Reinhart, Boerner, Van Deuren, SC

Encl. Appendix A – SVE System Construction Documentation Report

Appendix B – SVE System Operation, Maintenance & Monitoring Report

I:\25216050.01\Deliverables\200624_Letter to DNR requesting to shut off SVE system.docx

Appendix A

SVE System Construction Documentation Report

Construction Documentation Report

Phillips 66 Station
9922 W. Capital Drive
Milwaukee, WI 53222
BRRTS: 03-41-546764

Prepared for:

PSK Investments
9922 W. Capital Drive
Milwaukee, WI 53222

SCS ENGINEERS

Project Number 25216050.01 | June 24, 2020

2830 Dairy Drive
Madison, WI 53718-6751
608-224-2830

June 12, 2020
File No. 25216050.01

SOIL VAPOR EXTRACTION SYSTEM CONSTRUCTION

A soil vapor extraction (SVE) system was installed at the former Mobil Oil Gas Station located at 9922 W. Capital Drive in Milwaukee, Wisconsin. The SVE system consisted of one new SVE well (SVE-1) and converting one existing monitoring well (MW21) to a combination monitoring / soil vapor well (MW21/SVE-2). The construction of the SVE system was in accordance with the plans and specifications.

Soil vapor extraction well SVE-1 was installed on September 26, 2019, by On-Site Environmental Services. The well was installed to a depth of 15 feet using 10-feet of 4-inch-diameter PVC well screen and 4.5-feet of solid 4-inch-diameter PVC. Drill cuttings were placed in drums for disposal. The boring log and well construction detail are included in **Attachment A**.

Construction of the SVE system was performed by North Shore Environmental Construction (NSEC). As-built drawings for the SVE system are included in **Attachment B**.

Work started on March 16, 2020, with the removal of the sidewalk along W. Sarasota Drive and installation of underground 2-inch-diameter SCH 40 PVC piping from MW21/SVE-2 to the location of the SVE system. Photographs of the construction is included in **Attachment C**. The SVE enclosure was located over SVE-1. A concrete pad was poured for the SVE enclosure. An enclosure was installed on the concrete pad to provide security for the SVE system and protect it from the elements. An explosion-proof Rotron EN303 blower was installed in the enclosure along with a moisture knockout tank. Information for the EN303 blower is included in **Attachment D**.

PVC piping was used to connect the SVE wells to the knockout tank and SVE blower. PVC valves were installed on the pipes from the SVE wells to control flow. An explosion-proof heater and thermostat was installed in the enclosure to prevent freezing of liquid in the knockout tank.

A vacuum gauge was installed on the vacuum piping to measure the vacuum of the system. A thermometer was installed on the exhaust piping. A sample port was installed on the discharge piping to allow for collection of samples from the discharge gas. A flow switch was installed in the knockout tank to turn the SVE system off if the knockout tank fills with liquid.

A control panel was mounted on the exterior of the car-wash building that houses the controls for the SVE system. The control panel has an hour recorder to record the operating time of the SVE system and a 24-hour timer to allow for the blower to be turned on and off automatically, if needed.

Construction of the SVE system was complete by April 9, 2020, and system startup occurred on that date.

Soil excavated during construction was placed in a roll-off box and transported to the Orchard Ridge Landfill for disposal. A total of 23.64 tons of soil was disposed of. In addition, the two drums of soil from the installation of SVE-1 and two additional drums of soil from previous investigations were also




transported to the Orchard Ridge Landfill for disposal. Weigh tickets from the landfill are included in **Attachment E**.

KRG/AJR/REL/RT

Attachments:

- Attachment A – SVE-1 Boring Log and Well Construction Form
- Attachment B – As-Built Drawings
- Attachment C – Photographs
- Attachment D – EN303 Blower Information
- Attachment E – Landfill Weigh Tickets

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Attachment A

SVE-1 Boring Log and Well Construction Form

Route To:
 Watershed/Wastewater
 Remediation/Redev.
 Waste Management Other _____

Facility/Project Name PSK Investments - Grace Christian Fellowship		SCS # 2521600.01	License/Permit/Monitoring Number	Boring Number SVE-1
Boring Drilled By (Firm name and name of crew chief) On-Site Environmental Services, Inc. - Tony Kapugi			Drilling Started 9/26/19	Drilling Completed 9/26/19
DNR Facility Well No.			WI Unique Well No.	Common Well Name
Boring Location State Plane SW 1/4 of SE 1/4 of Section 5, T. 7 N, R. 12 E			Static Water Level	Surface Elevation 12.5
County Milwaukee			DNR County Code 41	Civil Town/City/or Village Milwaukee

Sample Number	Length Recovered	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	Max. PID/FID	Soil Properties			RQD/ Comments
									Standard Penetration	Moisture Content	P200	
	33"	X	0-5	6" Topsoil w/ wood chips and coarse gravel, brown (fill)	ML	0.5		0.7	2.5	X	M	
		X	5	Silt w/ f+crs gravel and m+crs sand, brown	ML			11.5	7.5	X	M	
	29"	X	5-6.5	fat clay w/ f+crs gravel. Brown w/ gray mottling	CH	6.5		1.5	6	X	W	strong pet. odor
		X	6.5-11.5	Lean clay, f+med. sand, gray, massive	CL			1,900	7	X	M	
	43"	X	11.5	Some rootlets (till), stiff. soft @ 10'	CL	11.5		11.5	11	X	W	mod pet. odor
		X	11.5-15	Lean clay, reddish gray, massive, occasional f+crs gravel. (till)	CL	15		38	13.5	X	M	slt pet. odor
				End of boring @ 15! Set 4" φ 10' PVC screen at 14.5'								

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: *Robert Langdon* Firm: SCS ENGINEERS Robert Langdon

This form is authorized by Chapters 281, 283, 289, 291, 292, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture between \$10 and \$25,000, or imprisonment for up to one year, depending on program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information.

Facility/Project Name PSK Investments - Grace Christian Fellowship		Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> E. ft. <input type="checkbox"/> S. <input type="checkbox"/> W.		Well Name <u>SVE-1</u>	
Facility License, Permit or Monitoring No.		Local Grid Origin (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/>		Wis. Unique Well No. <u>VY497</u> DNR Well ID No.	
Facility ID		St. Plane ft. N. ft. E. S/C/N		Date Well Installed <u>09/26/2009</u> m m d d y y y y	
Type of Well Well Code <u>57 / SV</u>		Section Location of Waste/Source SW <u>1/4</u> of SE <u>1/4</u> of Sec. <u>5</u> , T. <u>7</u> N, R. <u>12</u> E W		Well Installed By: Name (first, last) and Firm <u>Tony Kapugi</u>	
Distance from Waste/Source ft.		Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known		Gov. Lot Number	
Enf. Stds. Apply <input checked="" type="checkbox"/>				On-Site Environmental Services, Inc.	

A. Protective pipe, top elevation	ft. MSL	1. Cap and lock?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation	ft. MSL	2. Protective cover pipe:	
C. Land surface elevation	ft. MSL	a. Inside diameter:	<u>9</u> in.
D. Surface seal, bottom	ft. MSL or ft.	b. Length:	<u>1</u> ft.
12. USCS classification of soil near screen:		c. Material:	Steel <input checked="" type="checkbox"/> 0 4 Other <input type="checkbox"/>
GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input type="checkbox"/>		d. Additional protection?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input checked="" type="checkbox"/> CH <input type="checkbox"/>		If yes, describe:	
Bedrock <input type="checkbox"/>		3. Surface seal:	Bentonite <input type="checkbox"/> 3 0 Concrete <input type="checkbox"/> 0 1 Other <input checked="" type="checkbox"/>
13. Sieve analysis performed?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<u>Sand (Temporary)</u>	
14. Drilling method used:	Rotary <input type="checkbox"/> 5 0 Hollow Stem Auger <input checked="" type="checkbox"/> 4 1 Other <input type="checkbox"/>	4. Material between well casing and protective pipe:	Bentonite <input type="checkbox"/> 3 0 Other <input checked="" type="checkbox"/>
15. Drilling fluid used: Water <input type="checkbox"/> 0 2 Air <input type="checkbox"/> 0 1 Drilling Mud <input type="checkbox"/> 0 3 None <input checked="" type="checkbox"/> 0 9		5. Annular space seal:	a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 3 3 b. Lbs/gal mud weight . . . Bentonite-sand slurry <input type="checkbox"/> 3 5 c. Lbs/gal mud weight Bentonite slurry <input type="checkbox"/> 3 1 d. % Bentonite Bentonite-cement grout <input type="checkbox"/> 5 0 e. <u>2</u> Ft ³ volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 0 1 Tremie pumped <input type="checkbox"/> 0 2 Gravity <input checked="" type="checkbox"/> 0 8
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		6. Bentonite seal:	a. Bentonite granules <input type="checkbox"/> 3 3 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input type="checkbox"/> 3 2 c. Other <input type="checkbox"/>
Describe		7. Fine sand material: Manufacturer, product name & mesh size	
17. Source of water (attach analysis, if required):		a. <u>NA</u>	
E. Bentonite seal, top	ft. MSL or <u>1.0</u> ft.	b. Volume added <u>NA</u> ft ³	
F. Fine sand, top	ft. MSL or <u>—</u> ft.	8. Filter pack material: Manufacturer, product name & mesh size	
G. Filter pack, top	ft. MSL or <u>4.5</u> ft.	a. <u>Soley #5</u>	<input checked="" type="checkbox"/> 1 1 LLL 1 C
H. Screen joint, top	ft. MSL or <u>4.5</u> ft.	b. Volume added <u>3.25</u> ft ³	
I. Well bottom	ft. MSL or <u>14.5</u> ft.	9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 2 3 Flush threaded PVC schedule 80 <input type="checkbox"/> 2 4 Other <input type="checkbox"/>	
J. Filter pack, bottom	ft. MSL or <u>1.5</u> ft.	10. Screen material: <u>PVC</u>	
K. Borehole, bottom	ft. MSL or <u>1.5</u> ft.	a. Screen type: Factory cut <input checked="" type="checkbox"/> 1 1 Continuous slot <input type="checkbox"/> 0 1 Other <input type="checkbox"/>	
L. Borehole, diameter	<u>12.5</u> in.	b. Manufacturer <u>monotex</u>	
M. O.D. well casing	<u>4.5</u> in.	c. Slot size: <u>0.020</u>	
N. I.D. well casing	<u>4.0</u> in.	d. Slotted length: <u>10</u> ft.	
		11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 1 4 Other <input type="checkbox"/>	

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature [Signature] Firm SCS ENGINEERS, 2830 Dairy Drive, Madison, WI 53718

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Attachment B
As-Built Drawings

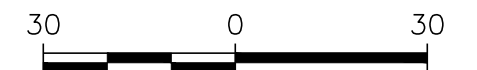


LEGEND

- ⊕ MONITORING WELL LOCATION
- ⊙ SOIL BORING LOCATION (OM, 2006)
- ⊕ SOIL BORING LOCATION (OM, 2009)
- ⊙ SOIL BORING LOCATION (OM, 2010)
- ⊕ PROPOSED SOIL VAPOR EXTRACTION WELL

NOTES:

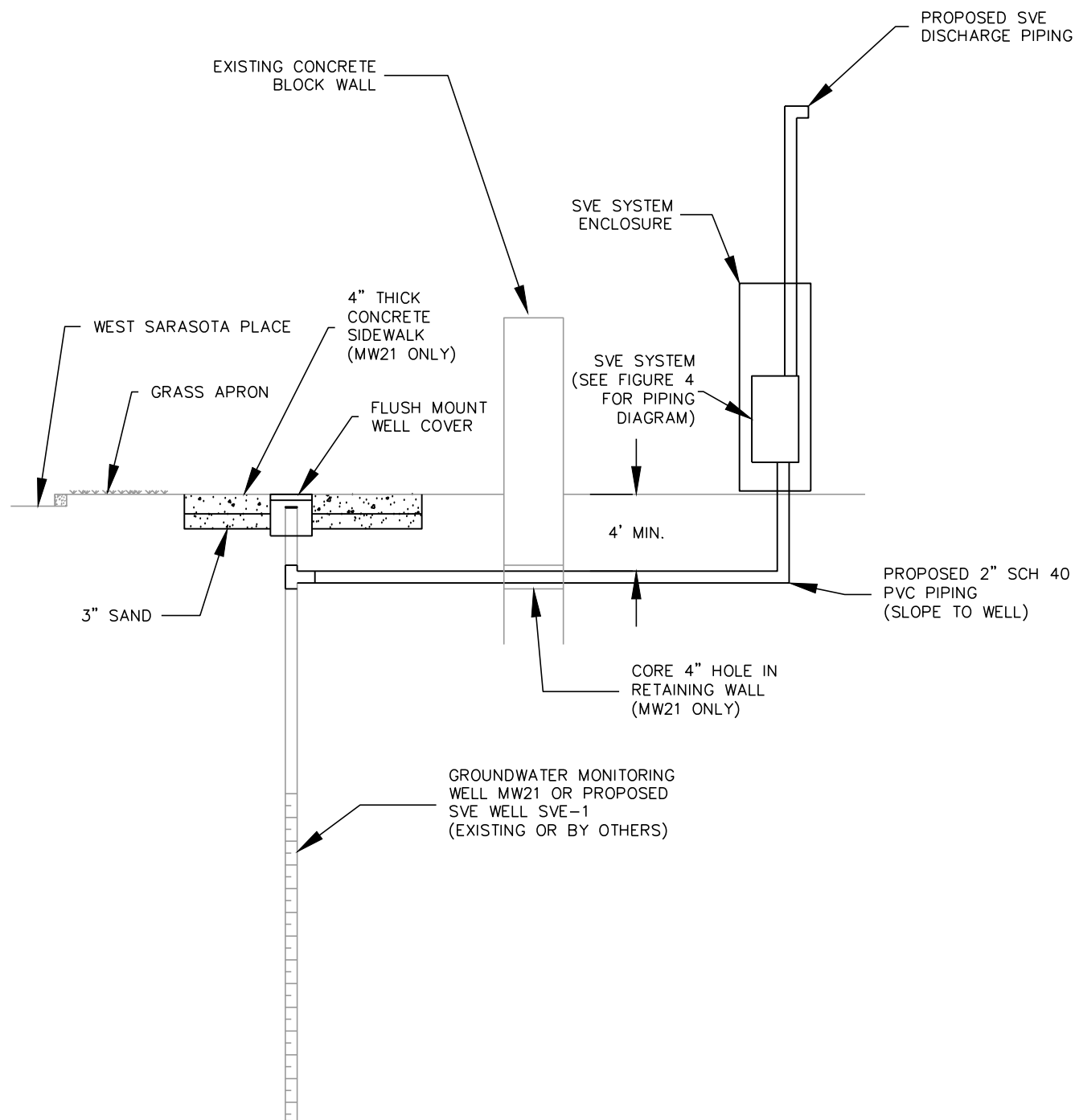
1. SOIL BORING AND MONITORING WELL LOCATIONS ARE APPROXIMATE.
2. AERIAL IMAGE AND BASE MAP DOWNLOADED FROM THE MILWAUKEE COUNTY LAND INFORMATION OFFICE'S INTERACTIVE MAPPING SERVICE PUBLIC VIEWER



SCALE: 1" = 30'

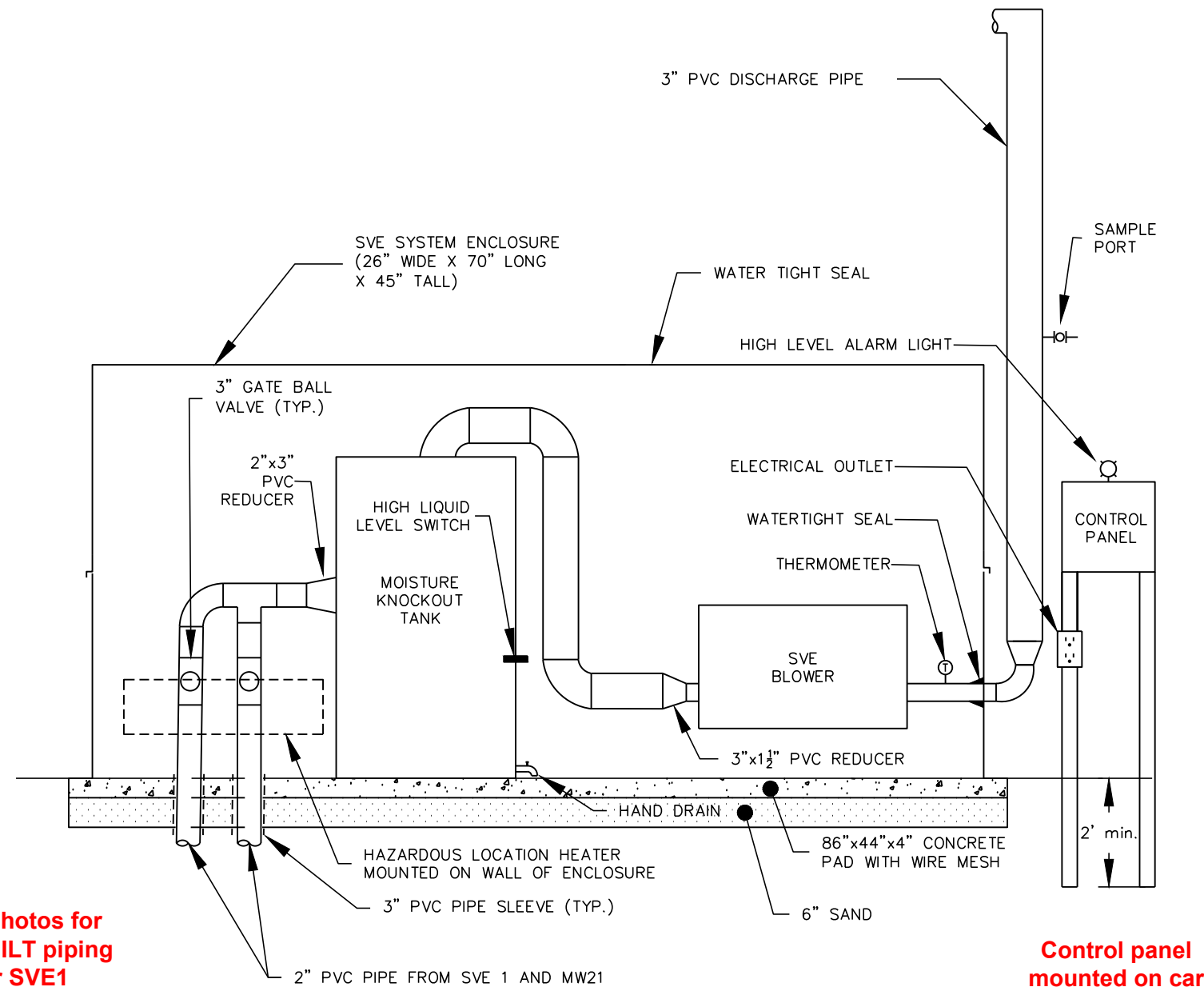
AS-BUILT DRAWINGS

PROJECT NO. 25216050.00	DRAWN BY: KRG	SCS ENGINEERS 2830 DAIRY DRIVE MADISON, WI 53718-6751 PHONE: (608) 224-2830	CLIENT PSK INVESTMENTS, LLC	SITE PSK INVESTMENTS & GRACE CHRISTIAN FELLOWSHIP 9922 & 9900 WEST CAPITOL DRIVE MILWAUKEE, WISCONSIN	PROPOSED SITE PLAN	FIGURE 2
DRAWN: 04/23/13	CHECKED BY: KRG					
REVISED: 08/19/16	APPROVED BY:					



PROPOSED SVE AND GROUNDWATER MONITORING WELL MW21/SVE-2 AND SVE WELL SVE-1
NOT TO SCALE

1
3



See photos for AS-BUILT piping for SVE1

Control panel mounted on car wash building

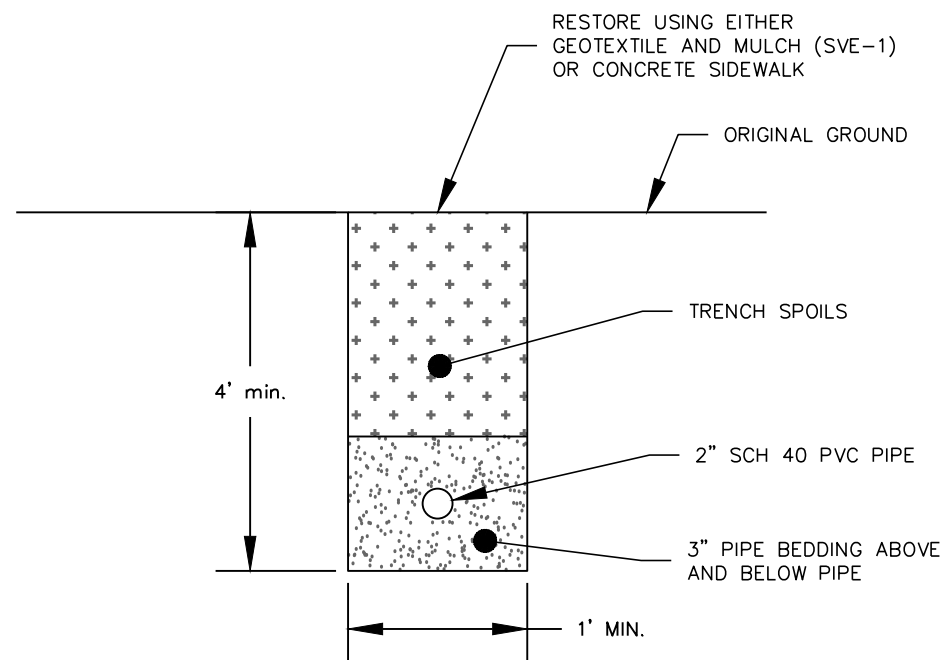
- NOTES:
1. MOUNT SVE BLOWER ON STAND AT LEAST 4" ABOVE FLOOR OF ENCLOSURE.

SVE SYSTEM PIPING DIAGRAM
NOT TO SCALE

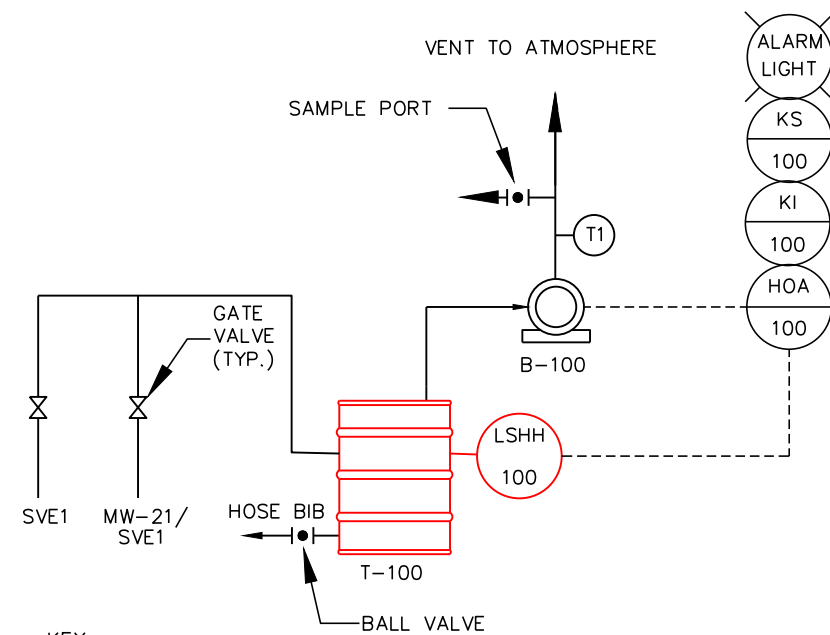
2
3

AS-BUILT DRAWINGS

PROJECT NO.	25216050.00	DRAWN BY:	KRG	SCS ENGINEERS 2830 DAIRY DRIVE MADISON, WI 53718-6751 PHONE: (608) 224-2830	CLIENT	PSK INVESTMENTS, LLC	SITE	PSK INVESTMENTS & GRACE CHRISTIAN FELLOWSHIP 9922 & 9900 WEST CAPITOL DRIVE MILWAUKEE, WISCONSIN	DETAILS	FIGURE
DRAWN:	04/23/13	CHECKED BY:	KRG			PSK INVESTMENTS, LLC				
REVISED:	08/19/16	APPROVED BY:						3		



1
4 **PIPE TRENCH DETAIL**
NOT TO SCALE

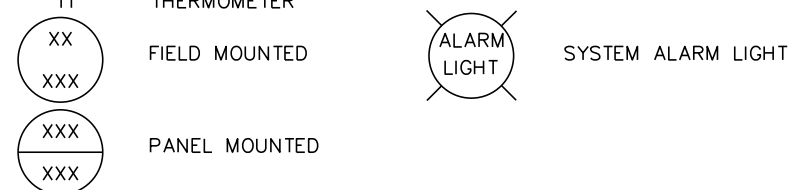


KEY:

- SVI SOIL VENT WELL
- LSHH LEVEL SWITCH HIGH HIGH
- T-100 MOISTURE SEPARATOR
- B-100 SOIL VENT BLOWER
- KI ELAPSED TIME INDICATOR
- HOA HAND-OFF-AUTO SWITCH
- KS 7-DAY TIMER
- T1 THERMOMETER
- XX FIELD MOUNTED
- XXX PANEL MOUNTED

NOTES:

1. EQUIPMENT SHOWN IN RED PROVIDED BY SCS ENGINEERS.
2. LSHH TO TURN OFF BLOWER UNTIL MANUAL RESET AND TURN ON ALARM LIGHT.



2
4 **PROCESS AND INSTRUMENTATION DIAGRAM**
NOT TO SCALE

AS-BUILT DRAWINGS

PROJECT NO. 25216050.00	DRAWN BY: KRG	ENGINEER SCS ENGINEERS 2830 DAIRY DRIVE MADISON, WI 53718-6751 PHONE: (608) 224-2830	CLIENT PSK INVESTMENTS, LLC	SITE PSK INVESTMENTS & GRACE CHRISTIAN FELLOWSHIP 9922 & 9900 WEST CAPITOL DRIVE MILWAUKEE, WISCONSIN	DETAILS	FIGURE
DRAWN: 04/23/13	CHECKED BY: KRG					4
REVISED: 08/19/16	APPROVED BY:					

Attachment C

Photographs

Phillips 66 Station
9922 W. Capital Drive, Milwaukee, WI
SCS Engineers Project #25216050.01



Photo 1: 2-inch PVC piping from MW21/SVE2 toward SVE blower
Photo Direction: South
Date: 3/16/2020



Photo 2: Piping at location of SVE enclosure. Note pipe from MW21/SVE2 coming through wall of retaining wall.
Photo Direction: East
Date: 3/16/2020

Phillips 66 Station
9922 W. Capital Drive, Milwaukee, WI
SCS Engineers Project #25216050.01



Photo 3: SVE enclosure concrete pad with SVE piping.
Photo Direction: East
Date: 3/23/2020



Photo 4: Installing new concrete sidewalk along W. Sarasota Place.
Photo Direction: South
Date: 3/23/2020

Phillips 66 Station
9922 W. Capital Drive, Milwaukee, WI
SCS Engineers Project #25216050.01



Photo 5: Interior piping of SVE enclosure. Note knockout tank on right, SVE blower at bottom and explosion-proof heater at back.
Photo Direction: East
Date: 4/9/2020



Photo 6: Interior piping of SVE enclosure. Note piping from SVE wells on left, Knockout tank on right, SVE blower at the bottom.
Photo Direction: East
Date: 4/9/2020

Phillips 66 Station
9922 W. Capital Drive, Milwaukee, WI
SCS Engineers Project #25216050.01



Photo 7: Control Panel mounted on wall of carwash building.
Photo Direction: South
Date: 4/9/2020



Photo 8: Interior of Control Panel.
Photo Direction: South
Date: 4/9/2020

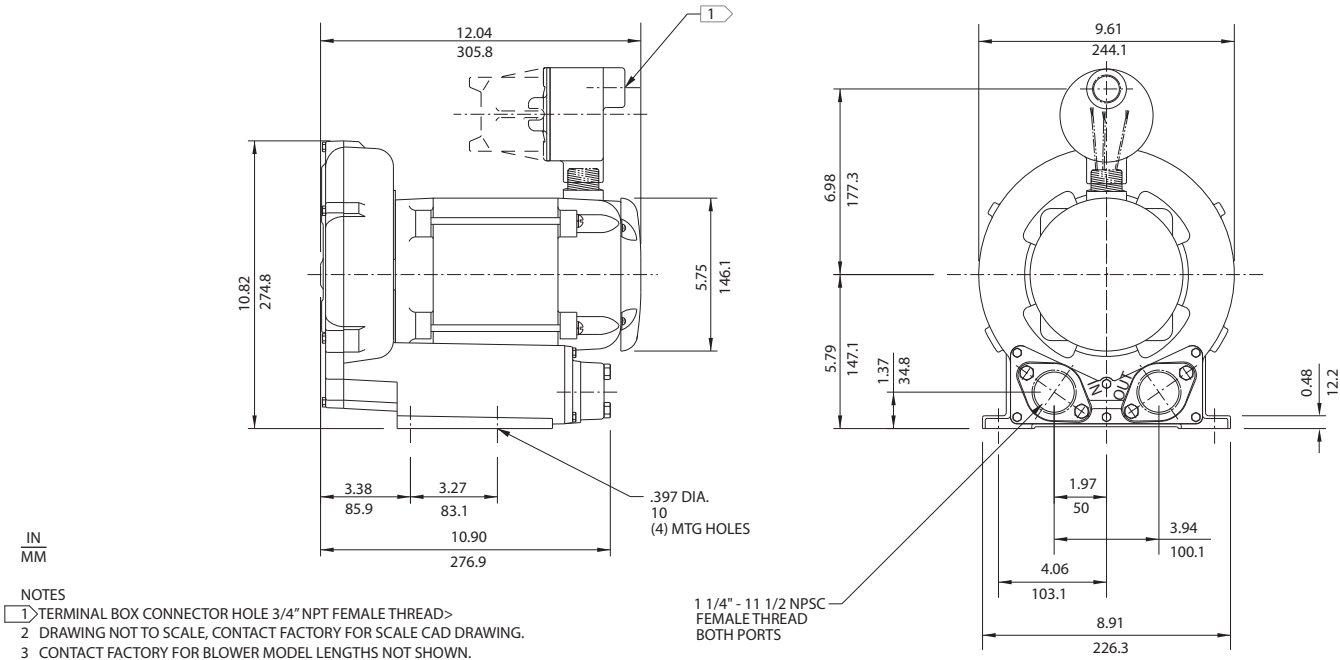
Phillips 66 Station
9922 W. Capital Drive, Milwaukee, WI
SCS Engineers Project #25216050.01



Photo 9: Exterior of SVE enclosure with PVC exhaust piping.
Photo Direction: South
Date: 4/9/2020

Attachment D
EN303 Blower Information

.5 HP Sealed Regenerative w/Explosion-Proof motor



Specification	Units	Part/Model Number			
		EN303AG58L 038172	EN303AG91L 038026	CP303FN58LR 080247	CP303FN91LR 038954
Motor Enclosure - Shaft Mt.	-	Explosion-proof-CS	Explosion-proof-CS	CHEM XP-SS	CHEM XP-SS
Horsepower	-	.5	.5	.5	.5
Phase - Frequency Voltage	-	Single-60 hz	Three-60 hz	Single-60 hz	Three-60 hz
Motor Nameplate Amps	AC	115/230	230/460	115/230	230/460
Max. Blower Amps	Amps (A)	9.0/4.5	1.5/1.75	9.0/4.5	1.5/1.75
Locked Rotor Amps	Amps (A)	7.2/3.6	1.63/.83	7.2/3.6	1.63/.83
Service Factor	Amps (A)	38/19	8.9/4.45	38/19	8.9/4.45
Starter Size	-	0/00	00/00	0/00	00/00
Thermal Protection	-	1.0	1.35	1.0	1.35
XP Motor Class - Group	-	Not Required	Not Required	Not Required	Not Required
Shipping Weight	Lbs	I-D 52	I-D 52	I-D 52	I-D 52
	Kg	23.6	23.6	23.6	23.6

Voltage - ROTRON motors are designed to handle a broad range of world voltages and power supply variations. Our dual voltage 3 phase motors are factory tested and certified to operate on both: **208-230/415-460 VAC-3 ph-60 Hz** and **190-208/380-415 VAC-3 ph-50 Hz**. Our dual voltage 1 phase motors are factory tested and certified to operate on both: **104-115/208-230 VAC-1 ph-60 Hz** and **100-110/200-220 VAC-1 ph-50 Hz**. All voltages above can handle a ±10% voltage fluctuation. Special wound motors can be ordered for voltages outside our certified range.

Operating Temperatures - Maximum operating temperature: Motor winding temperature (winding rise plus ambient) should not exceed 140°C for Class F rated motors or 120°C for Class B rated motors. Blower outlet air temperature should not exceed 140°C (air temperature rise plus inlet temperature). Performance curve maximum pressure and suction points are based on a 40°C inlet and ambient temperature. Consult factory for inlet or ambient temperatures above 40°C.

Maximum Blower Amps - Corresponds to the performance point at which the motor or blower temperature rise with a 40°C inlet and/or ambient temperature reaches the maximum operating temperature.

XP Motor Class - Group - See Explosive Atmosphere Classification Chart in Section I

This document is for informational purposes only and should not be considered as a binding description of the products or their performance in all applications. The performance data on this page depicts typical performance under controlled laboratory conditions. AMETEK is not responsible for blowers driven beyond factory specified speed, temperature, pressure, flow or without proper alignment. Actual performance will vary depending on the operating environment and application. AMETEK products are not designed for and should not be used in medical life support applications. AMETEK reserves the right to revise its products without notification. The above characteristics represent standard products. For product designed to meet specific applications, contact AMETEK Technical & Industrial Products Sales department.

.5 HP Sealed Regenerative w/Explosion-Proof motor

FEATURES

- Manufactured in the USA - ISO 9001 and NAFTA compliant
- Maximum flow: 55 SCFM
- Maximum pressure: 50 IWG
- Maximum vacuum: 45 IWG
- Standard motor: 0.5 HP, explosion-proof
- Cast aluminum blower housing, impeller & cover; cast iron flanges (threaded); teflon® lip seal
- UL & CSA approved motor with permanently sealed ball bearings for explosive gas atmospheres Class I Group D minimum
- Sealed blower assembly
- Quiet operation within OSHA standards

MOTOR OPTIONS

- International voltage & frequency (Hz)
- Chemical duty, high efficiency, inverter duty or industry-specific designs
- Various horsepower for application-specific needs

BLOWER OPTIONS

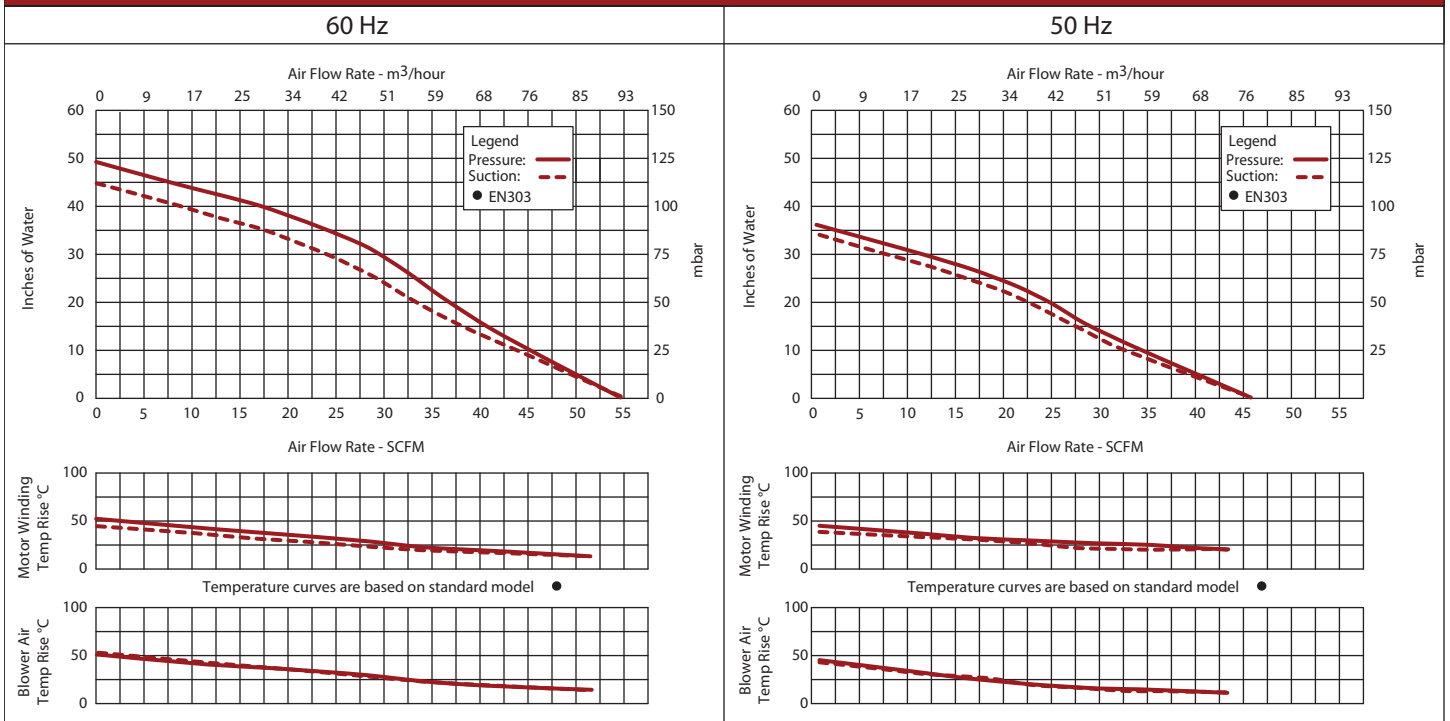
- Corrosion resistant surface treatments & sealing options
- Remote drive (motorless) models
- Slip-on or face flanges for application-specific needs

ACCESSORIES

- Flowmeters reading in SCFM
- Filters & moisture separators
- Pressure gauges, vacuum gauges, & relief valves
- Switches - air flow, pressure, vacuum, or temperature
- External mufflers for additional silencing
- Air knives (used on blow-off applications)
- Variable frequency drive package



Blower Performance at Standard Conditions



This document is for informational purposes only and should not be considered as a binding description of the products or their performance in all applications. The performance data on this page depicts typical performance under controlled laboratory conditions. AMETEK is not responsible for blowers driven beyond factory specified speed, temperature, pressure, flow or without proper alignment. Actual performance will vary depending on the operating environment and application. AMETEK products are not designed for and should not be used in medical life support applications. AMETEK reserves the right to revise its products without notification. The above characteristics represent standard products. For product designed to meet specific applications, contact AMETEK Technical & Industrial Products Sales department.

Attachment E
Landfill Weigh Tickets



Orchard Ridge RDF
 W124 N9355 Boundary Road
 Menomonee Falls, WI, 53051
 Ph: (262) 253-8620

Original
 Ticket# 1817420

Customer Name NORTHSHOREENVIROCONSTR NORTH Carrier NORTHSHOREENV NORTHSHORE ENV
 Ticket Date 02/21/2020 Vehicle# 308 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0003345
 State Waste Code BR-23 Gen EPA ID
 Manifest 05167 Grid
 Destination
 PO OP001
 Profile BIO133008WI (SOIL FROM EXCAVATION AND GEO TECH PROBE WM012B)
 Generator 136-PSKINVEST PSK INVESTMENTS LLC

	Time	Scale	Operator	Inbound	Gross	14600 lb
In	02/21/2020 09:31:54	InBound	jwagner		Tare	12160 lb
Out	02/21/2020 09:40:53	OutBound	jwagner		Net	2440 lb
					Tons	1.22

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Spw Biorem RGC-Ton	100	1.22	Tons				WI
2 WWM-P-Waste Water	100		%				WI

Total Fees
 Total Ticket

Driver's Signature 

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number	2. Page 1 of 1	3. Emergency Response Phone 282-255-4488	4. Waste Tracking Number 05167	
5. Generator's Name and Mailing Address PSK Investments LLC 8822 W Capital Drive Milwaukee WI 53222				Generator's Site Address (if different than mailing address)		
Generator's Phone: 414 538-1249						
6. Transporter 1 Company Name North Shore Environmental Construction, Inc.				U.S. EPA ID Number WIR000117259		
7. Transporter 2 Company Name				U.S. EPA ID Number		
8. Designated Facility Name and Site Address WM Orchard Ridge RDF W124 N9355 Boundary Road Menomonee Falls WI 53051				U.S. EPA ID Number		
Facility's Phone: 282 253-8620						
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	
		No.	Type			
	1. Soil WM Profile BIO133008W	004	DM	1500	P	NONE
	2.					
	3.					
	4.					
13. Special Handling Instructions and Additional Information Job # 09001						
14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.						
Generator's/Officer's Printed/Typed Name				Signature		Month Day Year 2 21 20
15. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Transporter signature (for exports only): _____ Date leaving U.S.: _____						
16. Transporter Acknowledgment of Receipt of Materials						
Transporter 1 Printed/Typed Name Kevin Lambrecht				Signature		Month Day Year 2 21 20
Transporter 2 Printed/Typed Name				Signature		Month Day Year
17. Discrepancy						
17a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
Manifest Reference Number: _____						
17b. Alternate Facility (or Generator)				U.S. EPA ID Number		
Facility's Phone: _____						
17c. Signature of Alternate Facility (or Generator)						Month Day Year
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a						
Printed/Typed Name				Signature		Month Day Year 12 21 20



Orchard Ridge RDF
 W124 N9355 Boundary Road
 Menomonee Falls, WI, 53051
 Ph: (262) 253-8620

Original
 Ticket# 1822823

Customer Name NORTHSHOREENVIROCONSTR NORTH Carrier NORTHSHOREENV NORTHSHORE ENV
 Ticket Date 03/17/2020 Vehicle# 308 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0003345
 State Waste Code BR-23 Gen EPA ID
 Manifest 04730 Grid
 Destination
 PO OP001
 Profile BIO133008WI (SOIL FROM EXCAVATION AND GEO TECH PROBE WM012B)
 Generator 136-PSKINVEST PSK INVESTMENTS LLC

	Time	Scale	Operator	Inbound	Gross	17780 lb
In	03/17/2020 11:49:33	InBound	jwagner		Tare	11880 lb
Out	03/17/2020 12:08:47	OutBound	jgindt		Net	5900 lb
					Tons	2.95

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Spw Biorem RGC-Ton	100	2.95	Tons				WI
2 WWM-P-Waste Water	100		%				WI

Total Fees
 Total Ticket

Driver's Signature

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number	2. Page 1 of 1	3. Emergency Response Phone 252-255-4468	4. Waste Tracking Number 04730	
5. Generator's Name and Mailing Address PSK Investments LLC 8822 W Capital Drive Milwaukee WI 53222			Generator's Site Address (if different than mailing address)			
Generator's Phone: 414 538-1249						
6. Transporter 1 Company Name North Shore Environmental Construction, Inc.				U.S. EPA ID Number WI R 000 1 1 7 2 5 9		
7. Transporter 2 Company Name				U.S. EPA ID Number		
8. Designated Facility Name and Site Address WM Orchard Ridge RDP WI 24 N9355 Boundary Road Menomonee Falls WI 53051				U.S. EPA ID Number		
Facility's Phone: 202 253-8620						
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	
		No.	Type			
	1. Soil WM Profile BIO133008WM	0 0 1	CM	00020	Y	NONE
	2.					
	3.					
	4.					
13. Special Handling Instructions and Additional Information Job # 09001						
14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.						
Generator's/Officer's Printed/Typed Name X JAGDISHER SINGH KLER				Signature X JAGDISHER SINGH KLER		Month Day Year 3 17 20
15. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____						
16. Transporter Acknowledgment of Receipt of Materials						
Transporter 1 Printed/Typed Name X Steve Pfund				Signature X Steve Pfund		Month Day Year 3 17 20
Transporter 2 Printed/Typed Name				Signature		Month Day Year
17. Discrepancy						
17a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
Manifest Reference Number:						
17b. Alternate Facility (or Generator)				U.S. EPA ID Number		
Facility's Phone:						
17c. Signature of Alternate Facility (or Generator)						Month Day Year
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a						
Printed/Typed Name JW				Signature JW		Month Day Year 3 17 20

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number	2. Page 1 of 1	3. Emergency Response Phone 262-265-4488	4. Waste Tracking Number 04730				
5. Generator's Name and Mailing Address PSK INVESTMENTS LLC 8822 W Capital Drive Milwaukee WI 53222			Generator's Site Address (if different than mailing address)						
Generator's Phone: 414 538-1249									
6. Transporter 1 Company Name North Shore Environmental Construction, Inc.				U.S. EPA ID Number WI R 000 1 1 7 2 5 9					
7. Transporter 2 Company Name				U.S. EPA ID Number					
8. Designated Facility Name and Site Address WI Orchard Ridge RDT WI 24 N9355 Boundary Road Menomonee Falls WI 53051				U.S. EPA ID Number					
Facility's Phone: 262 253-8820									
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))		10. Containers		11. Total Quantity	12. Unit Wt./Vol.		
		1 Soil WM Profile BIO133008WM		No.	Type			NONE	
				0 0 1	CM	00020	Y		
		2.							
		3.							
	4.								
13. Special Handling Instructions and Additional Information Job # 03001									
14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.									
Generator's/Officer's Printed/Typed Name X JAGD... (Signature)				Signature X (Signature)		Month Day Year 3 17 20			
TRANSPORTER	15. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____								
	16. Transporter Acknowledgment of Receipt of Materials								
	Transporter 1 Printed/Typed Name X Steve Hund				Signature X (Signature)		Month Day Year 3 17 20		
	Transporter 2 Printed/Typed Name				Signature		Month Day Year		
DESIGNATED FACILITY	17. Discrepancy								
	17a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection								
	17b. Alternate Facility (or Generator)				Manifest Reference Number:				U.S. EPA ID Number
	Facility's Phone:								
	17c. Signature of Alternate Facility (or Generator)						Month Day Year		
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a									
Printed/Typed Name jwo				Signature jwo		Month Day Year 3 17 20			



Orchard Ridge RDF
 W124 N9355 Boundary Road
 Menomonee Falls, WI, 53051
 Ph: (262) 253-8620

Original
 Ticket# 1822571

Customer Name NORTHSHOREENVIROCONSTR NORTH Carrier NORTHSHOREENV NORTHSHORE ENV
 Ticket Date 03/16/2020 Vehicle# 46 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0003345
 State Waste Code BR-23 Gen EPA ID
 Manifest 01247705 Grid
 Destination
 PO OP001
 Profile BIO133008WI (SOIL FROM EXCAVATION AND GEO TECH PROBE WM012B)
 Generator 136-PSKINVEST PSK INVESTMENTS LLC

	Time	Scale	Operator	Inbound	Gross	72980 lb*
In	03/16/2020 13:05:29	InBound	JGINDT		Tare	34040 lb
Out	03/16/2020 13:20:00	OutBound	JWAGNER		Net	38940 lb
			* Manual Weight		Tons	19.47

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Spw Biorem RGC-Ton	100	19.47	Tons				WI
2 WWM-P-Waste Water	100		%				WI

Total Fees
 Total Ticket

Driver's Signature

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number 001247705 JJK			
5. Generator's Name and Mailing Address PSK investments LLC 4922 Capital Drive, Milwaukee, WI 53222				Generator's Site Address (if different than mailing address)				
Generator's Phone: 414-536-1249								
6. Transporter 1 Company Name NSEC				U.S. EPA ID Number				
7. Transporter 2 Company Name				U.S. EPA ID Number				
8. Designated Facility Name and Site Address Orchard Ridge RDF				U.S. EPA ID Number				
Facility's Phone:								
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
		No.	Type					
1.	Soil BI0133008WI	1		20	yd			
2.								
3.								
4.								
14. Special Handling Instructions and Additional Information								
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.								
Generator's/Offeror's Printed/Typed Name PSK investments LLC				Signature <i>[Signature]</i>		Month	Day	Year
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____								
17. Transporter Acknowledgment of Receipt of Materials								
Transporter 1 Printed/Typed Name Gary Spear				Signature <i>[Signature]</i>		Month	Day	Year
Transporter 2 Printed/Typed Name				Signature		Month	Day	Year
18. Discrepancy								
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection								
Manifest Reference Number:								
18b. Alternate Facility (or Generator)				U.S. EPA ID Number				
Facility's Phone:								
18c. Signature of Alternate Facility (or Generator)						Month	Day	Year
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)								
1.	2.	3.	4.					
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a								
Printed/Typed Name [Signature]				Signature <i>[Signature]</i>		Month	Day	Year

GENERATOR
INT'L
TRANSPORTER
DESIGNATED FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number 001247705 JJK		
5. Generator's Name and Mailing Address PKR Investments LLC 4122 Capital Drive, Milwaukee, WI 53222				Generator's Site Address (if different than mailing address)			
Generator's Phone: 414-536-1249							
6. Transporter 1 Company Name NSEC				U.S. EPA ID Number			
7. Transporter 2 Company Name				U.S. EPA ID Number			
8. Designated Facility Name and Site Address Orchard Ridge RDF				U.S. EPA ID Number			
Facility's Phone:							
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit WL/Vol.	13. Waste Codes	
		No.	Type				
1.	Soil BI0133008WI	1		20	yd		
2.							
3.							
4.							
14. Special Handling Instructions and Additional Information							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Offoror's Printed/Typed Name PKR Investments LLC				Signature		Month Day Year	
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Transporter signature (for exports only): _____ Date leaving U.S.: _____							
17. Transporter Acknowledgment of Receipt of Materials							
Transporter 1 Printed/Typed Name Grant Spear				Signature		Month Day Year 3 16 20	
Transporter 2 Printed/Typed Name				Signature		Month Day Year 3 16 20	
18. Discrepancy							
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection							
Manifest Reference Number:							
18b. Alternate Facility (or Generator)				U.S. EPA ID Number			
Facility's Phone:							
18c. Signature of Alternate Facility (or Generator)						Month Day Year	
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1.	2.	3.	4.				
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name				Signature		Month Day Year	

II. Instructions for International Shipment Block

Item 16. International Shipments

For export shipments, the primary exporter must check the export box, and enter the point of exit (city and state) from the United States. For import shipments, the importer must check the import box and enter the point of entry (city and state) into the United States. For exports, the transporter must sign and date the manifest to indicate the day the shipment left the United States. Transporters of hazardous waste shipments must deliver a copy of the manifest to the U.S. Customs when exporting the waste across U.S. borders.

III. Instructions for Transporters

Item 17. Transporters' Acknowledgments of Receipt

Enter the name of the person accepting the waste on behalf of the first transporter. That person must acknowledge acceptance of the waste described on the manifest by signing and entering the date of receipt. Only one signature per transportation company is required. Signatures are not required to track the movement of wastes in and out of transfer facilities, unless there is a change of custody between transporters.

If applicable, enter the name of the person accepting the waste on behalf of the second transporter. That person must acknowledge acceptance of the waste described on the manifest by signing and entering the date of receipt.

Note: Transporters carrying imports, who are acting as importers, may have responsibilities to enter information in the International Shipments Block. Transporters carrying exports may also have responsibilities to enter information in the International Shipments Block. See above instructions for Item 16.

Appendix B

SVE System Operation, Maintenance & Monitoring Report

GENERAL INSTRUCTIONS, PURPOSE AND APPLICABILITY OF THIS FORM:

Completion of the applicable portions of this form is required under Wis. Admin. Code § NR 724.13(3). Failure to submit this form as required is a violation of that rule section and is subject to the penalties in Wis. Stats. § 292.99. This form must be submitted every six months for remediation projects that report operation and maintenance progress, in accordance with Wis. Admin. Code §. NR 724.13(3). A narrative report or letter containing the equivalent information required in this form may be submitted in lieu of the actual form. Submittal of this form is not a substitute for reporting required by department programs such as Waste Water or Air Management.

Notes:

1. Long-term monitoring results submitted in accordance with Wis. Admin. Code § NR 724.17(3) are required to be submitted within 10 business days of receiving sampling results and are not required to be submitted using this form. However, portions of this form require monitoring data summary information that may be based on information previously submitted in accordance with that section of code.
2. Responsible parties should check with the department Project Manager assigned to the site to determine if this form is required to be submitted at sites responded to under the Federal Comprehensive Environmental Response and Compensation Act (commonly known as Superfund) or an equivalent state-lead response.
3. Responsible parties should check with the department Project Manager assigned to the site to determine if any of the information required in this form may be omitted or changed and should obtain prior written approval for any omissions or changes.
4. Responsible parties are required to report separately on a semi-annual basis under Wis. Admin. Code § NR 700.11(1). Reporting under that provision is through an internet-based form. More information can be found at: <http://dnr.wi.gov/topic/Brownfields/documents/regs/NR700progreport.pdf>.
5. Personally identifiable information on this form is not intended to be used for any other purpose than tracking progress of the remediation by Remediation and Redevelopment Program. Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Public Records Law (Wis. Stats. §§ 19.31–19.39).

Section GI - General Site Information

A. General Information

1. Site name

Phillips 66 Station

2. Reporting period from: 04/09/2020 To: 06/01/2020 Days in period: 53

3. Regulatory agency (enter DNR, DATCP and/or other) DNR
 4. BRRTS ID No. (2 digit program-2 digit county-6 digit site specific) 03-41-546764

5. Site location

Region	County	Address				
Southeast Region	Milwaukee	9922 W. Capital Drive				
Municipality name	<input checked="" type="radio"/> City <input type="radio"/> Town <input type="radio"/> Village	Township	Range	<input checked="" type="radio"/> E <input type="radio"/> W	Section	¼ SE ¼ SW
Milwaukee		07 N	21		5	

6. Responsible party	7. Consultant	
Name	<input type="checkbox"/> Select if the following information has changed since the last submittal	
Mr. Jasdisher Singh Kler	Company name	
Mailing address	SCS Engineers	
922 W. Capital Dr.	Mailing address	Phone number
Phone number	2830 Dairy Dr. Madison WI 53718	(608) 224-2830

8. Contaminants

Petroleum

9. Soil types (USCS or USDA)

CL

10. Hydraulic conductivity(cm/sec):

~ 1x10-5

11. Average linear velocity of groundwater (ft/yr)

NA

Site name: Phillips 66 Station

Reporting period from: 04/09/2020 To: 06/01/2020

Days in period: 53

Remediation Site Operation, Maintenance, Monitoring & Optimization Report

Form 4400-194 (R 06/20)

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12. If soil is treated ex situ, is the treatment location off site?

Yes No

If yes, give location: Region

County

Municipality name City Town Village

Township

Range E

Section

¼

¼ ¼

N

W

B. Remediation Method

Only submit sections that apply to an individual site. Check all that apply:

- Landspreading/thinspreading of petroleum contaminated soil (submit a completed Section ES-2).
- Other ex situ remediation method (submit a completed Section ES-3).
- Site is a landfill (submit a completed Section LF-1).
- Biopiles (submit a completed Section ES-1).
- Other in situ soil remediation method (submit a completed Section IS-3).
- Soil natural attenuation (submit a completed Section IS-2).
- Soil venting (including soil vapor extraction building venting and bioventing submit a completed Section IS-1).
- Other groundwater remediation method (submit a completed Section GW-4).
- Groundwater natural attenuation (submit a completed Section GW-3).
- In situ air sparging (submit a completed Section GW-2).
- Free product recovery (submit a completed Section GW-1).
- Groundwater extraction (submit a completed Section GW-1).

C. General Effectiveness Evaluation for All Active Systems

If the remediation is active (not natural attenuation), complete this subsection.

1. Is the system operating at design rates and specifications?

Yes No

If the answer is no, explain whether or not modifications are necessary to achieve the goal that was previously established in design.

2. Are modifications to the system warranted to improve effectiveness

Yes No

If yes, explain:

3. Is natural attenuation an effective low cost option at this time?

Yes No

4. Is closure sampling warranted at this time?

Yes No

5. Are there any modifications that can be made to the remediation to improve cost effectiveness?

Yes No

If yes, explain:

Site name: Phillips 66 Station

Reporting period from: 04/09/2020 To: 06/01/2020

Days in period: 53

Remediation Site Operation, Maintenance, Monitoring & Optimization Report

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D. Economic and Cost Data to Date

1. Total investigation cost: _____
2. Implementation costs (design, capital and installation costs, excluding investigation costs): \$71,409.26
3. Total costs during the previous reporting period: _____
4. Total costs during this reporting period: \$66,330.44
5. Total anticipated costs for the next reporting period: \$30,000.00
6. Are any unusual or one-time costs listed in the reporting periods covered by D.3., D.4. or D.5. above? Yes No

If yes, explain:

Cost of construction of SVE system

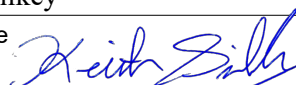
7. If closure is anticipated within 12 months, estimated costs for project closeout: \$20,000.00

E. Name(s), Signature(s) and Date of Person(s) Submitting Form

Legibly print name, date and sign. Only persons qualified to submit reports under ch. NR 712 Wis. Adm. Code are to sign this form for sites with any ongoing active remediation, monitoring or an investigation. Other persons may sign this form for sites with no response activities during the six month reporting period.

Registered Professional Engineers:

I hereby certify that I am a registered professional engineer in the State of Wisconsin, registered in accordance with the requirements of ch. A-E 4, Wis. Adm. Code; that this document has been prepared in accordance with the Rules of Professional Conduct in ch. A-E 8, Wis. Adm. Code; and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

Print name Keith Gilkey	Title Senior Civil Engineer
Signature 	Date 6/23/2020

Hydrogeologists:

I hereby certify that I am a hydrogeologist as that term is defined in s. NR 712.03(1), Wis. Adm. Code, am registered in accordance with the requirements of ch. GHSS 2, Wis. Adm. Code, or licensed in accordance with the requirements of ch. GHSS 3, Wis. Adm. Code, and that, to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

Print name	Title
Signature	Date

Scientists:

I hereby certify that I am a scientist as that term is defined in s. NR 712.03(3), Wis. Adm. Code, and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

Print name	Title
Signature	Date

Other Persons:

Print name	Title
Signature	Date

Site name: Phillips 66 Station

Reporting period from: 04/09/2020 To: 06/01/2020

Days in period: 53

Remediation Site Operation, Maintenance, Monitoring & Optimization Report

Form 4400-194 (R 06/20)

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Professional Seal(s), if applicable:



Site name: Phillips 66 Station

Reporting period from: 04/09/2020 To: 06/01/2020

Days in period: 53

Remediation Site Operation, Maintenance, Monitoring & Optimization Report

Form 4400-194 (R 06/20)

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Section IS-1, Soil Venting (Including Soil Vapor Extraction, Building Venting and Bioventing)

A. Soil Venting Operation

Note: This form is not required for building vapor mitigation systems that are installed proactively to protect building occupants/users and are not considered part of ongoing active soil remediation.

1. Number of air extraction wells available and number of wells actually in use during the period: 2

2. Number of days of operation (only list the number of days the system actually operated, if unknown explain):

53

3. System utilization in percent (days of operation divided by reporting time period multiplied by 100). If < 80%, explain:

100%

4. Average depth to groundwater: 7 gpm

B. Building Basement/Subslab Venting System Operation

1. Number of venting points available and number of points actually in use during the period: _____

2. Number of days of operation (only list the number of days the system actually operated, if unknown explain):

3. System utilization in percent (days of operation divided by reporting time period multiplied by 100). If < 80%, explain:

C. Effectiveness Evaluation

1. Average contaminant removal rate for the entire system: 0.005 pounds per day

2. Average contaminant removal rate per well or venting point: 0.002 pounds per day

3. If the average contaminant removal rate is less than one pound per day for the entire system, or if the average contaminant removal rate per well is less than one tenth of a pound per day, evaluate the following:

a. If contaminants are aerobically biodegradable and confirmation borings have not been drilled in the past year:

i. Oxygen levels in extracted air: _____ percent

ii. Methane levels in extracted air (ppmv) If over 10 ppmv, explain:

iii. If methane is not present above 10 ppmv and if oxygen is greater than 20 percent in extracted air, you should either:

- o Drill confirmation borings during the next reporting period, if the entire site should be considered for closure.
- o Or, perform an in situ respirometry test in a zone of high contamination. Do not perform the test in an air extraction well, use a gas probe or water table well. If a zero order rate of decay based on oxygen depletion is less than 2 mg/kg per day, then you should drill confirmation borings, if the entire site should be considered for closure. If the rate of decay is between 2 and 10 mg/kg, operate for one more reporting period before evaluating further. If the zero order rate of decay is greater than 10 mg/kg total hydrocarbons, continue operating the system in a manner than maximizes aerobic biodegradation.

b. If contaminants are not aerobically biodegradable and confirmation borings have not been recently drilled during the past year, you should drill confirmation borings during the next reporting period if the entire site should be considered for closure.

c. If soil borings were drilled during the past year and soil contamination remains above acceptable levels, explain if the system effectiveness can be increased and/or if other options need to be considered to achieve cleanup criteria.

D. Additional Attachments

Attach the following to this form:

- Well and soil sample location map indicating all air extraction wells. If forced air injection wells are also in use, identify those wells.
- If water table monitoring wells are present at the site, a map of well locations.
- Time versus vapor phase contaminant concentration graph.
- Time versus cumulative contaminant removal graph.
- Groundwater elevations table, if water table wells are present at the site; also list screen lengths and elevations.
- Table of soil contaminant chemistry data.
- Soil gas data, if gas probes are used to monitor subsurface conditions in locations other than where air is extracted.
- System operational data table.



LEGEND

- ⊕ MONITORING WELL LOCATION
- ⊙ SOIL BORING LOCATION (OM, 2006)
- ⊕ SOIL BORING LOCATION (OM, 2009)
- ⊙ SOIL BORING LOCATION (OM, 2010)
- ⊕ PROPOSED SOIL VAPOR EXTRACTION WELL

NOTES:

1. SOIL BORING AND MONITORING WELL LOCATIONS ARE APPROXIMATE.
2. AERIAL IMAGE AND BASE MAP DOWNLOADED FROM THE MILWAUKEE COUNTY LAND INFORMATION OFFICE'S INTERACTIVE MAPPING SERVICE PUBLIC VIEWER



SCALE: 1" = 30'

AS-BUILT DRAWINGS

PROJECT NO. 25216050.00	DRAWN BY: KRG	SCS ENGINEERS 2830 DAIRY DRIVE MADISON, WI 53718-6751 PHONE: (608) 224-2830	CLIENT PSK INVESTMENTS, LLC	SITE PSK INVESTMENTS & GRACE CHRISTIAN FELLOWSHIP 9922 & 9900 WEST CAPITOL DRIVE MILWAUKEE, WISCONSIN	PROPOSED SITE PLAN	FIGURE
DRAWN: 04/23/13	CHECKED BY: KRG					2
REVISED: 08/19/16	APPROVED BY:					

Figure 1
Total VOCs Removed
PSK Investments
9920 Capital Drive, Milwaukee, WI

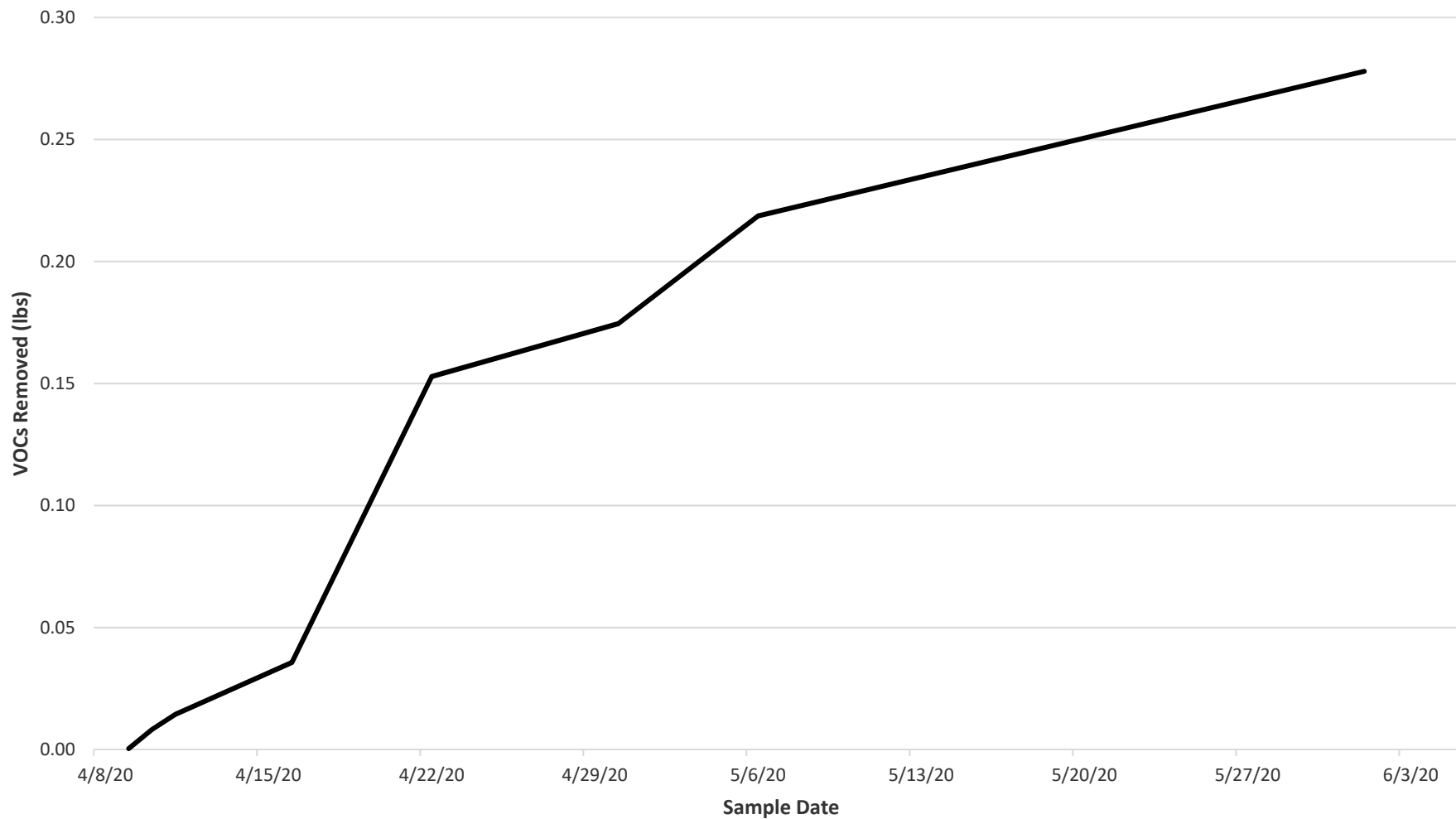


Figure 2
Total VOCs in SVE Exhaust
PSK Investments
9922 W. Capital Dr., Milwaukee, WI

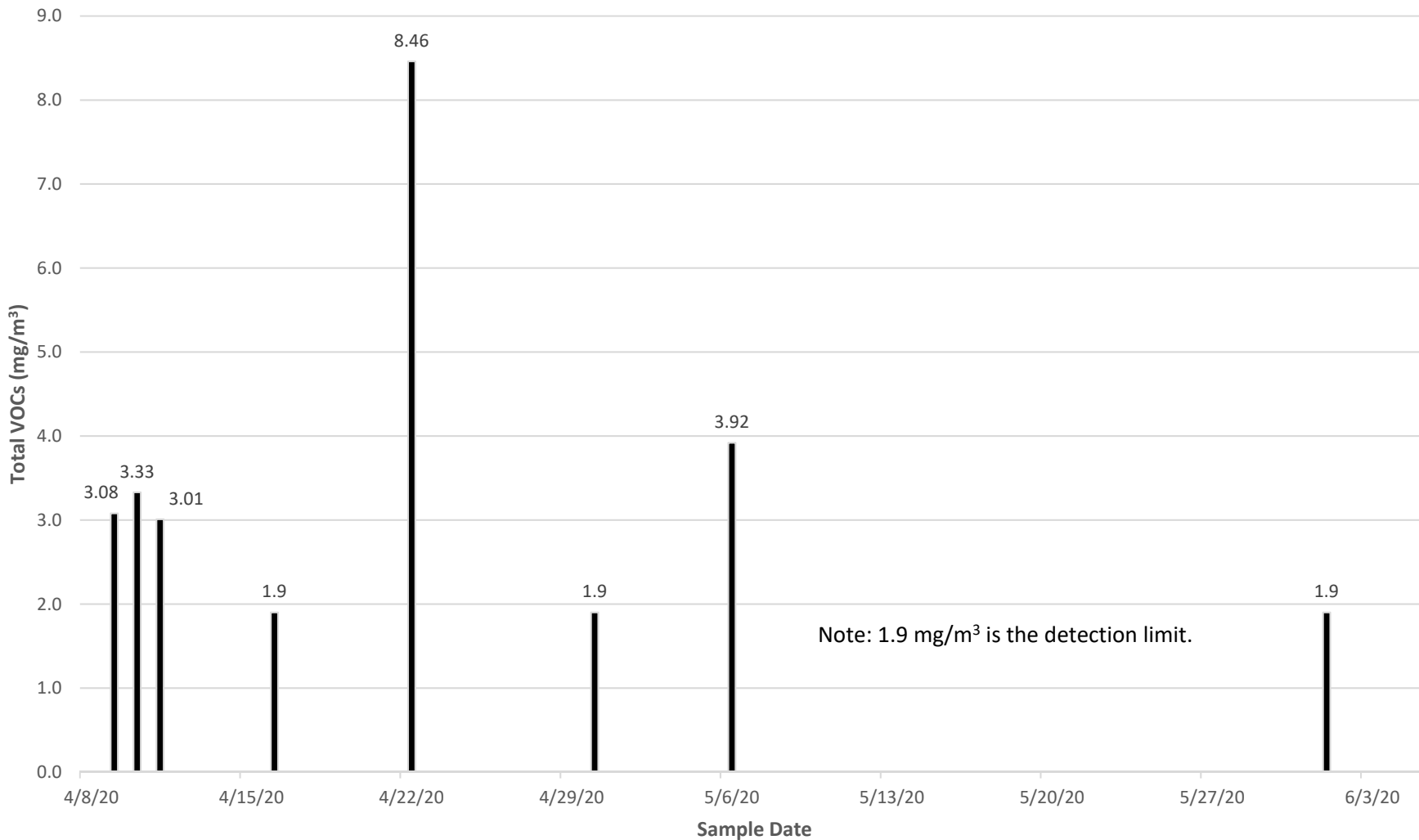


Table 1. SVE System Air Emissions
PSK Investments, 9920 Captal Drive, Milwaukee, WI

Date	Time between periods hrs	Velocity ⁽⁵⁾ FPM	Flow Rate CFM	System Vacuum in. water	Total VOCs ⁽⁴⁾ mg/m ³	Benzene ⁽⁴⁾ mg/m ³	Total VOCs ⁽¹⁾ lb/ft ³	VOCs Rem. over Period ⁽²⁾ lbs	VOCs Rem. Rate lbs/hr	Total VOCs Removed Total VOCs lbs	Total Benzene ⁽²⁾ lb/ft ³	Benzene Rem. over Period ⁽³⁾ lbs	Benzene Removal Rate lbs/hr
4/9/20	1.0	760	38	-11	3.08	NS	1.9E-07	0.00	0.0004	0.00	-	-	-
4/10/20	24.0	520	26	-22	3.33	< 0.372	2.1E-07	0.01	0.0003	0.01	2.3E-08	0.00	0.0000
4/11/20	24.0	455	23	-22	3.01	NS	1.9E-07	0.01	0.0003	0.01	-	-	-
4/16/20	120.0	495	25	-22	< 1.9	NS	1.2E-07	0.02	0.0002	0.04	-	-	-
4/22/20	144.0	510	26	-22	8.46	NS	5.3E-07	0.12	0.0008	0.15	-	-	-
4/30/20	192.0	315	16	-25	< 1.9	< 0.372	1.2E-07	0.02	0.0001	0.17	2.3E-08	0.01	0.0001
5/6/20	144.0	415	21	-23	3.92	NS	2.4E-07	0.04	0.0003	0.22	-	-	-
6/1/20	624.0	265	13	-24	< 1.9	< 0.376	1.2E-07	0.06	0.0001	0.28	2.3E-08	0.01	0.0000

Abbreviations:

NS = not sampled

Notes:

(1) Total VOCs (lb/ft³) = Total VOCs (mg/m³) * 10⁻⁶ (kg/mg) * 2.20 (lb/kg) * (0.30483 m/ft)³.

(2) VOCs removed over period (lbs) = Total VOCs (lb/ft³) * Exhaust Flow Rate (CFM) * Time Between Periods (hrs) * 60 (min/hr).

(3) Benzene removed over period (lbs) = Benzene (lb/ft³) * Exhaust Flow Rate (CFM) * Time Between Periods (hrs) * 60 (min/hr).

(4) Total VOC and benzene concentrations based on charcoal tube sample results. If not detected, reporting or detection limits are used.

(5) Velocity measured on a 3" Sch 40 PVC pipe, ID = 3.042".

Revised by: KRG

Checked by: AJR, 5/28/2020; MBH, 5/28/2020; JSN 6/11/20

I:\25216050.00\Data and Calculations\Tables\[SVE System Summary.xls]SVE System

Table 2
 Summary of Soil Quality Test Results
 PSK Investments, LLC (Former KJG Investments Property)
 9922 W Capitol Drive, Milwaukee, WI 53222

Project # 2096

Date	Sample Id.	Sample Depth	PID	Benzene	Ethylbenzene	MTBE	Toluene	1,2,4-TMB	1,3,5 TMB	Xylenes	Naphthalene	GRO	n-butylbenzene	sec-butylbenzene	isopropylbenzene (Cumene)	p-Isopropyltoluene	n-Propylbenzene	Collected By
			Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	
7/21/10	B-21/MW-21, S-3	5 to 7	40	< 25	208	< 25	55	620	78	265	540							OM
	B-21/MW-21, S-5	9 to 11	700	2640	4500	< 25	1050	4400	1110	8280	46000							OM
	B-21/MW-21	9 to 11	1000	5870	19200	< 1000	4470	34500	8730	56600	214000		4630	< 1000	1320 "J"	< 1000	6090	Shaw
	B-21/MW-21	11 to 13	365	1180	6290	< 250	< 250	5210	475 "J"	2590	72300		539 "J"	< 250	367 "J"	< 250	1810	Shaw
	B-21/MW-21	13 to 15	177	992	5290	< 250	< 250	3060	< 250	1800	81400		533 "J"	< 250	348 "J"	< 250	1670	Shaw
	B-21/MW-21, S-8	15 to 17	1000	7800	40000	< 250	7900	41000	3500	26900	380000							OM
1/5/12	MW-11/MW-11, S-2	3.5 to 5	0	39	< 25	< 25	158	95	41	140								OM
	MW-11/MW-11, S-4	8.5 to 10	0	< 25	< 25	< 25	59	< 25	< 25	< 75								
NR 720.09 Table 1 RCLs (Residual Contaminant Levels)*				5.50	2900		1500			4100								
NR 746.06 Table 1 (Residual Product in Soil Pores)**				8500	4600		38000	83000	11000	42000	2700							
NR 746.06 Table 2 (Direct Contact Standard)				1100														

Note:

* Residual Contaminant Levels Based on Protection of Groundwater

** Indicator of Residual Petroleum Products in Soil Pores

Free product means petroleum product that is not in dissolved phase, and is present with a thickness of 0.01 feet (0.12 inch) or more as verified by more than one sampling event.

Table 3. Summary of Depth to Groundwater and Groundwater Elevation
PSK Investments, LLC (Former KJG Investments Property) 9922 W Capitol Drive, Milwaukee, WI / OM Job #2096
SCS Project #25216050.01

Well ID	Well Location	Well Depth (feet)	Screen Length (feet)	Internal Diameter (inch)	Surface Elevation (feet)	PVC Elevation (feet, MSL)	Date	Depth to Water (feet)	Groundwater Elevation (feet, MSL)
MW-1	Gas Station	20.00	10.00	4.00	722.81	722.05	10/24/06	13.80	708.25
							6/2/07	13.55	708.50
							9/13/07	13.30	708.75
							12/20/07	15.50	706.55
							2/11/08	14.75	707.30
							3/20/08	13.00	709.05
							6/24/08	12.99	709.06
							9/30/08	13.56	708.49
							3/16/09	12.84	709.21
							8/24/09	14.05	708.00
							11/11/09	14.00	708.05
							7/19/10	12.60	709.45
							8/23/10	13.05	709.00
							8/24/10	13.11	708.94
							10/17/10	14.65	707.40
							1/15/11	17.05	705.00
							4/16/11	12.50	709.55
							4/23/11	11.30	710.75
							7/17/11	13.25	708.80
							10/15/11	14.20	707.85
1/22/12	16.45	705.60							
1/27/12	15.27	706.78							
4/20/12	14.05	708.00							
3/15/16	14.05	708.00							
6/11/20	13.18	708.87							
Average								13.84	708.21

Table 3. Summary of Depth to Groundwater and Groundwater Elevation
PSK Investments, LLC (Former KJG Investments Property) 9922 W Capitol Drive, Milwaukee, WI / OM Job #2096
SCS Project #25216050.01

Well ID	Well Location	Well Depth (feet)	Screen Length (feet)	Internal Diameter (inch)	Surface Elevation (feet)	PVC Elevation (feet, MSL)	Date	Depth to Water (feet)	Groundwater Elevation (feet, MSL)
MW-2	Gas Station	15.50	10.00	4.00	722.73	722.25	8/16/06	7.52	714.73
							6/2/07	6.30	715.95
							9/13/07	5.50	716.75
							12/20/07	7.45	714.80
							3/20/08	6.39	715.86
							6/24/08	5.10	717.15
							9/30/08	6.30	715.95
							3/16/09	6.17	716.08
							8/24/09	6.80	715.45
							11/11/09	6.28	715.97
							7/19/10	5.20	717.05
							8/23/10	5.43	716.82
							8/24/10	5.47	716.78
							10/17/10	6.88	715.37
							1/15/11	7.85	714.40
							4/16/11	5.95	716.30
							4/23/11	5.19	717.06
							7/17/11	6.23	716.02
							10/15/11	6.20	716.05
							1/22/12	6.70	715.55
1/27/12	7.74	714.51							
4/20/12	6.35	715.90							
3/15/16	6.15	716.10							
6/11/20	5.20	717.05							
Average								6.26	715.99

Table 3. Summary of Depth to Groundwater and Groundwater Elevation
PSK Investments, LLC (Former KJG Investments Property) 9922 W Capitol Drive, Milwaukee, WI / OM Job #2096
SCS Project #25216050.01

Well ID	Well Location	Well Depth (feet)	Screen Length (feet)	Internal Diameter (inch)	Surface Elevation (feet)	PVC Elevation (feet, MSL)	Date	Depth to Water (feet)	Groundwater Elevation (feet, MSL)
MW-3	Gas Station	15.00	10.00	2.00	722.80	722.10	8/16/06	8.50	713.60
							6/2/07	7.70	714.40
							9/13/07	6.89	715.21
							12/20/07	8.85	713.25
							3/20/08	7.84	714.26
							6/24/08	6.66	715.44
							9/30/08	8.10	714.00
							3/16/09	7.80	714.30
							8/24/09	8.38	713.72
							11/11/09	7.95	714.15
							7/19/10	6.74	715.36
							8/23/10	7.13	714.97
							8/24/10	7.11	714.99
							10/17/10	8.40	713.70
							1/15/11	9.40	712.70
							4/16/11	7.30	714.80
							4/23/11	6.35	715.75
							7/17/11	7.60	714.50
							7/15/11	7.70	714.40
							1/22/12	8.15	713.95
1/27/12	8.30	713.80							
4/20/12	7.85	714.25							
3/15/16	7.68	714.42							
6/11/20	6.62	715.48							
Average								7.71	714.39

Table 3. Summary of Depth to Groundwater and Groundwater Elevation
PSK Investments, LLC (Former KJG Investments Property) 9922 W Capitol Drive, Milwaukee, WI / OM Job #2096
SCS Project #25216050.01

Well ID	Well Location	Well Depth (feet)	Screen Length (feet)	Internal Diameter (inch)	Surface Elevation (feet)	PVC Elevation (feet, MSL)	Date	Depth to Water (feet)	Groundwater Elevation (feet, MSL)
MW-4	Gas Station	15.00	10.00	2.00	721.47	720.55	8/16/06	7.36	713.19
							6/2/07	6.52	714.03
							9/13/07	6.84	713.71
							12/20/07	8.18	712.37
							3/20/08	6.59	713.96
							6/24/08	5.98	714.57
							9/30/08	7.90	712.65
							3/16/09	7.06	713.49
							8/24/09	7.62	712.93
							11/11/09	7.30	713.25
							7/19/10	7.14	713.41
							8/23/10	6.70	713.85
							8/24/10	6.75	713.80
							10/17/10	8.75	711.80
							1/15/11	9.59	710.96
							4/15/11	5.85	714.70
							4/23/11	7.13	713.42
							7/17/11	6.61	713.94
							10/15/11	8.40	712.15
							1/22/12	7.70	712.85
1/27/12	7.44	713.11							
4/20/12	7.65	712.90							
3/15/16	5.70	714.85							
6/11/20	5.39	715.16							
Average								7.17	713.38

Table 3. Summary of Depth to Groundwater and Groundwater Elevation
PSK Investments, LLC (Former KJG Investments Property) 9922 W Capitol Drive, Milwaukee, WI / OM Job #2096
SCS Project #25216050.01

Well ID	Well Location	Well Depth (feet)	Screen Length (feet)	Internal Diameter (inch)	Surface Elevation (feet)	PVC Elevation (feet, MSL)	Date	Depth to Water (feet)	Groundwater Elevation (feet, MSL)
MW-5	Gas Station	15.00	10.00	2.00	724.54	723.84	8/16/06	11.99	711.85
							6/2/07	11.42	712.42
							9/13/07	11.05	712.79
							12/20/07	11.58	712.26
							3/20/08	10.50	713.34
							6/24/08	10.10	713.74
							9/30/08	11.57	712.27
							3/16/09	10.80	713.04
							8/24/09	12.41	711.43
							11/11/09	11.55	712.29
							7/19/10	10.25	713.59
							8/23/10	11.24	712.60
							8/24/10	11.26	712.58
							10/17/10	12.38	711.46
							1/15/11	12.83	711.01
							4/15/11	9.95	713.89
							4/23/11	9.95	713.89
							7/17/11	11.57	712.27
							10/15/11	11.90	711.94
							1/22/12	12.02	711.82
1/27/12	11.73	712.11							
4/20/12	11.25	712.59							
3/15/16	10.31	713.53							
6/11/20	9.90	713.94							
Average								11.23	712.61

Table 3. Summary of Depth to Groundwater and Groundwater Elevation
PSK Investments, LLC (Former KJG Investments Property) 9922 W Capitol Drive, Milwaukee, WI / OM Job #2096
SCS Project #25216050.01

Well ID	Well Location	Well Depth (feet)	Screen Length (feet)	Internal Diameter (inch)	Surface Elevation (feet)	PVC Elevation (feet, MSL)	Date	Depth to Water (feet)	Groundwater Elevation (feet, MSL)
MW-6	Church	20.00	15.00	2.00	718.91	718.32	8/16/06	15.10	703.22
							6/2/07	15.70	702.62
							8/24/09	16.38	701.94
							11/11/09	16.08	702.24
							7/19/10	14.06	704.26
							8/24/10	13.88	704.44
							10/19/10	15.95	702.37
							1/14/11	16.26	702.06
							4/14/11	14.40	703.92
							7/15/11	15.33	702.99
							10/28/11	15.87	702.45
							1/20/12	15.79	702.53
							4/20/12	14.58	703.74
							3/15/16	14.07	704.25
6/11/20	NM	NM							
Average	15.25	703.07							

Table 3. Summary of Depth to Groundwater and Groundwater Elevation
PSK Investments, LLC (Former KJG Investments Property) 9922 W Capitol Drive, Milwaukee, WI / OM Job #2096
SCS Project #25216050.01

Well ID	Well Location	Well Depth (feet)	Screen Length (feet)	Internal Diameter (inch)	Surface Elevation (feet)	PVC Elevation (feet, MSL)	Date	Depth to Water (feet)	Groundwater Elevation (feet, MSL)
Excavation Sump Shaw	Gas Station	15.00	10.00	6.00	722.86	722.58	4/28/06	14.00	708.58
							6/2/07	14.25	708.33
							9/13/07	14.30	708.28
							12/20/07	14.30	708.28
							2/11/08	14.32	708.26
							6/24/08	14.30	708.28
							9/30/08	14.34	708.24
							3/16/09	14.30	708.28
							8/24/09	14.30	708.28
							11/11/09	14.29	708.29
							7/19/10	14.25	708.33
							8/23/10	14.29	708.29
							8/24/10	14.28	708.30
							10/17/10	14.30	708.28
							1/15/11	13.35	709.23
							4/16/11	14.25	708.33
							4/23/11	14.28	708.30
							7/17/11	14.29	708.29
							10/15/11	14.28	708.30
							1/22/12	14.30	708.28
1/27/12	14.27	708.31							
4/20/12	14.28	708.30							
3/15/16	14.25	708.33							
6/11/20	NM	NM							
6/15/20	14.21	708.37							
Average							14.23	708.35	

Table 3. Summary of Depth to Groundwater and Groundwater Elevation
PSK Investments, LLC (Former KJG Investments Property) 9922 W Capitol Drive, Milwaukee, WI / OM Job #2096
SCS Project #25216050.01

Well ID	Well Location	Well Depth (feet)	Screen Length (feet)	Internal Diameter (inch)	Surface Elevation (feet)	PVC Elevation (feet, MSL)	Date	Depth to Water (feet)	Groundwater Elevation (feet, MSL)
MW-7	Off-site	21.00	15.00	2.00	722.29	721.47	4/8/10	10.30	711.17
							4/10/10	10.45	711.02
							7/19/10	10.06	711.41
							8/23/10	10.45	711.02
							8/24/10	10.49	710.98
							10/16/10	11.94	709.53
							1/14/11	10.40	711.07
							4/14/11	9.94	711.53
							4/23/11	9.46	712.01
							7/15/11	10.29	711.18
							10/14/11	10.91	710.56
							1/21/12	10.40	711.07
							1/27/12	10.55	710.92
							4/20/12	10.73	710.74
							3/15/16	10.16	711.31
6/11/20	10.27	711.20							
							Average	10.43	711.05
MW-8	Off-site	21.00	15.00	2.00	721.98	721.38	4/8/10	15.34	706.04
							4/10/10	15.45	705.93
							7/19/10	13.20	708.18
							8/23/10	12.20	709.18
							8/24/10	12.28	709.10
							10/16/10	14.26	707.12
							1/14/11	14.45	706.93
							4/14/11	11.40	709.98
							4/23/11	8.71	712.67
							7/15/11	12.53	708.85
							10/14/11	13.25	708.13
							1/21/12	13.51	707.87
							1/27/12	13.30	708.08
							4/20/12	13.05	708.33
							3/15/16	12.65	708.73
6/11/20	11.22	710.16							
							Average	12.93	708.46

Table 3. Summary of Depth to Groundwater and Groundwater Elevation
PSK Investments, LLC (Former KJG Investments Property) 9922 W Capitol Drive, Milwaukee, WI / OM Job #2096
SCS Project #25216050.01

Well ID	Well Location	Well Depth (feet)	Screen Length (feet)	Internal Diameter (inch)	Surface Elevation (feet)	PVC Elevation (feet, MSL)	Date	Depth to Water (feet)	Groundwater Elevation (feet, MSL)
MW-9	Off-site	21.00	15.00	2.00	722.55	721.50	4/8/10	13.43	708.07
							4/10/10	13.50	708.00
							7/19/10	12.48	709.02
							8/23/10	14.00	707.50
							8/24/2010	14.04	707.46
							10/16/10	14.89	706.61
							1/14/11	14.90	706.60
							4/14/11	13.25	708.25
							4/23/11	11.55	709.95
							7/15/11	14.33	707.17
							10/14/11	14.56	706.94
							1/21/12	14.40	707.10
							1/27/12	14.57	706.93
							4/20/12	13.84	707.66
							3/15/16	13.70	707.80
6/11/20	13.41	708.09							
							Average	13.80	707.70
MW-10	Off-site	21.00	15.00	2.00	719.16	718.92	4/8/10	15.85	703.07
							4/10/10	15.75	703.17
							7/19/10	14.88	704.04
							8/23/10	15.64	703.28
							8/24/10	15.60	703.32
							10/16/10	16.57	702.35
							1/14/11	17.10	701.82
							4/14/11	16.20	702.72
							4/23/11	13.90	705.02
							7/15/11	16.25	702.67
							10/14/11	16.09	702.83
							1/21/12	Under Ice	
							1/27/12	16.05	702.87
							4/20/12	15.14	703.78
							3/15/16	13.77	705.15
6/11/20	14.05	704.87							
							Average	15.52	703.40

Table 3. Summary of Depth to Groundwater and Groundwater Elevation
PSK Investments, LLC (Former KJG Investments Property) 9922 W Capitol Drive, Milwaukee, WI / OM Job #2096
SCS Project #25216050.01

Well ID	Well Location	Well Depth (feet)	Screen Length (feet)	Internal Diameter (inch)	Surface Elevation (feet)	PVC Elevation (feet, MSL)	Date	Depth to Water (feet)	Groundwater Elevation (feet, MSL)
MW-11	Off-site	15.00	10.00	2.00			1/19/12	10.50	
							1/21/12	11.15	
							1/27/12	11.10	
							4/20/12	8.83	
							3/15/16	8.22	
							6/10/20	NM	
							6/15/20	4.92	
							Average	9.12	
MW-20	Off-site	20.00	15.00	2.00	722.09	721.54	8/12/10	5.05	716.49
							8/24/10	5.38	716.16
							10/16/10	6.69	714.85
							1/14/11	7.74	713.80
							4/14/11	7.90	713.64
							4/23/11	5.36	716.18
							7/15/11	6.05	715.49
							10/14/11	6.15	715.39
							1/21/12	6.55	714.99
							1/27/12	6.57	714.97
							4/20/12	6.13	715.41
							3/15/16	6.16	715.38
							6/11/20	5.36	716.18
Average	6.24	715.30							

Table 3. Summary of Depth to Groundwater and Groundwater Elevation
PSK Investments, LLC (Former KJG Investements Property) 9922 W Capitol Drive, Milwaukee, WI / OM Job #2096
SCS Project #25216050.01

Well ID	Well Location	Well Depth (feet)	Screen Length (feet)	Internal Diameter (inch)	Surface Elevation (feet)	PVC Elevation (feet, MSL)	Date	Depth to Water (feet)	Groundwater Elevation (feet, MSL)
MW-21	Off-site	15.00	10.00	2.00	722.19	721.92	8/12/10	7.05	714.87
							8/24/10	7.44	714.48
							10/16/10	8.38	713.54
							1/14/11	9.13	712.79
							4/14/11	6.00	715.92
							4/23/11	7.18	714.74
							7/15/11	7.52	714.40
							10/14/11	7.83	714.09
							1/21/12	8.23	713.69
							1/27/12	8.18	713.74
							4/20/12	7.75	714.17
							3/15/16	7.72	714.20
							6/11/20	4.91	717.01
Average							7.49	714.43	

Note: This table is adapted from previous reports by OM Enterprises.

Abbreviation:

NM = Not Measured

Note:

A 6/11/20 water level could not be measured at MW-6 because access to the well was denied by Grace Christian Fellowship.

Created by:	<u>OM Enterprises</u>	Date:	<u>2010</u>
Last revision by:	<u>LMH</u>	Date:	<u>6/17/2020</u>
Checked by:	<u>AJR</u>	Date:	<u>6/17/2020</u>
Proj Mgr QA/QC:	<u>RT</u>	Date:	<u>6/23/2020</u>

I:\25216050.01\Data and Calculations\Tables\[Table 2_GW Elevation_PSK Investments.xlsx]GW Elevation

ANALYTICAL REPORT

Eurofins TestAmerica, Phoenix
4625 East Cotton Ctr Blvd
Suite 189
Phoenix, AZ 85040
Tel: (602)437-3340

Laboratory Job ID: 550-140771-1
Laboratory Sample Delivery Group: 25216050
Client Project/Site: PSK Investments

For:
SCS Engineers
2830 Dairy Drive
Madison, Wisconsin 53718-6751

Attn: Keith Gilkey



Authorized for release by:
4/21/2020 12:24:07 AM

Carlene McCutcheon, Project Manager II
(602)659-7612
carlene.mccutcheon@testamericainc.com

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



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Definitions/Glossary

Client: SCS Engineers
Project/Site: PSK Investments

Job ID: 550-140771-1
SDG: 25216050

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: SCS Engineers
Project/Site: PSK Investments

Job ID: 550-140771-1
SDG: 25216050

Job ID: 550-140771-1

Laboratory: Eurofins TestAmerica, Phoenix

Narrative

Job Narrative
550-140771-1

Comments

No additional comments.

Receipt

The samples were received on 4/14/2020 9:30 AM; the samples arrived in good condition.

Industrial Hygiene

Methods 1500 Back, 1500 Front: The method blank associated with preparation batch 550-208145 and 550-208146 and analytical batch 550-208147 did not contain any target analytes at or above reporting limit (RL). Blank correction was not performed on the QC samples or client's sample(s).

Methods 1501 Back, 1501 Front: The method blank associated with preparation batch 550-208011 and 550-208012 and analytical batch 550-208020 did not contain any target analytes at or above reporting limit (RL). Blank correction was not performed on the QC samples or client's sample(s).

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



Sample Summary

Client: SCS Engineers
Project/Site: PSK Investments

Job ID: 550-140771-1
SDG: 25216050

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
550-140771-1	PSK-SVE-1	Air	04/09/20 00:00	04/14/20 09:30	
550-140771-2	PSK-SVE-2	Air	04/10/20 00:00	04/14/20 09:30	
550-140771-3	PSK-SVE-3	Air	04/10/20 00:00	04/14/20 09:30	
550-140771-4	PSK-SVE-4	Air	04/11/20 00:00	04/14/20 09:30	

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Detection Summary

Client: SCS Engineers
Project/Site: PSK Investments

Job ID: 550-140771-1
SDG: 25216050

Client Sample ID: PSK-SVE-1

Lab Sample ID: 550-140771-1

Analyte	Result	Result	Result	Qualifier	RL	Dil Fac	Method	Prep Type
	ug/Sample	mg/m3	ppm		ug/Sample			
Total VOC as Hexane	21.5	3.08	0.873		19.0	1	PE-IHD-001, Ft	Total/NA
Total VOC as Hexane	21.5	3.08	0.873		19.0	1	PE-IHD-001	Total/NA

Client Sample ID: PSK-SVE-2

Lab Sample ID: 550-140771-2

Analyte	Result	Result	Result	Qualifier	RL	Dil Fac	Method	Prep Type
	ug/Sample	mg/m3	ppm		ug/Sample			
Total VOC as Hexane	33.3	3.33	0.944		19.0	1	PE-IHD-001, Ft	Total/NA
Total VOC as Hexane	33.3	3.33	0.944		19.0	1	PE-IHD-001	Total/NA

Client Sample ID: PSK-SVE-3

Lab Sample ID: 550-140771-3

No Detections.

Client Sample ID: PSK-SVE-4

Lab Sample ID: 550-140771-4

Analyte	Result	Result	Result	Qualifier	RL	Dil Fac	Method	Prep Type
	ug/Sample	mg/m3	ppm		ug/Sample			
Total VOC as Hexane	30.1	3.01	0.855		19.0	1	PE-IHD-001, Ft	Total/NA
Total VOC as Hexane	30.1	3.01	0.855		19.0	1	PE-IHD-001	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Phoenix

Client Sample Results

Client: SCS Engineers
Project/Site: PSK Investments

Job ID: 550-140771-1
SDG: 25216050

Client Sample ID: PSK-SVE-1

Lab Sample ID: 550-140771-1

Date Collected: 04/09/20 00:00

Matrix: Air

Date Received: 04/14/20 09:30

Sample Air Volume: 7 L

Sample Container: IH - Coconut Shell Charcoal Tube, 600 mg

Method: PE-IHD-001, Bk - NIOSH Method 1500

Analyte	Result ug/Sample	Result mg/m3	Result ppm	Qualifier	RL ug/Sample	Prepared	Analyzed	Dil Fac
Total VOC as Hexane	<19.0	<2.71	<0.769		19.0	04/17/20 08:28	04/17/20 12:19	1

Method: PE-IHD-001, Ft - NIOSH Method 1500

Analyte	Result ug/Sample	Result mg/m3	Result ppm	Qualifier	RL ug/Sample	Prepared	Analyzed	Dil Fac
Total VOC as Hexane	21.5	3.08	0.873		19.0	04/17/20 08:28	04/17/20 13:07	1

Method: PE-IHD-001 - NIOSH Method 1500

Analyte	Result ug/Sample	Result mg/m3	Result ppm	Qualifier	RL ug/Sample	Prepared	Analyzed	Dil Fac
Total VOC as Hexane	21.5	3.08	0.873		19.0		04/20/20 16:21	1

Client Sample ID: PSK-SVE-2

Lab Sample ID: 550-140771-2

Date Collected: 04/10/20 00:00

Matrix: Air

Date Received: 04/14/20 09:30

Sample Air Volume: 10 L

Sample Container: IH - Coconut Shell Charcoal Tube, 600 mg

Method: PE-IHD-001, Bk - NIOSH Method 1500

Analyte	Result ug/Sample	Result mg/m3	Result ppm	Qualifier	RL ug/Sample	Prepared	Analyzed	Dil Fac
Total VOC as Hexane	<19.0	<1.90	<0.538		19.0	04/17/20 08:28	04/17/20 12:35	1

Method: PE-IHD-001, Ft - NIOSH Method 1500

Analyte	Result ug/Sample	Result mg/m3	Result ppm	Qualifier	RL ug/Sample	Prepared	Analyzed	Dil Fac
Total VOC as Hexane	33.3	3.33	0.944		19.0	04/17/20 08:28	04/17/20 13:23	1

Method: PE-IHD-001 - NIOSH Method 1500

Analyte	Result ug/Sample	Result mg/m3	Result ppm	Qualifier	RL ug/Sample	Prepared	Analyzed	Dil Fac
Total VOC as Hexane	33.3	3.33	0.944		19.0		04/20/20 16:21	1

Client Sample ID: PSK-SVE-3

Lab Sample ID: 550-140771-3

Date Collected: 04/10/20 00:00

Matrix: Air

Date Received: 04/14/20 09:30

Sample Air Volume: 10 L

Sample Container: IH - Coconut Shell Charcoal Tube, 150 mg

Method: PE-IHD-001, Bk - NIOSH Method 1501

Analyte	Result ug/Sample	Result mg/m3	Result ppm	Qualifier	RL ug/Sample	Prepared	Analyzed	Dil Fac
Benzene	<3.72	<0.372	<0.116		3.72	04/16/20 08:05	04/16/20 13:31	1

Method: PE-IHD-001, Ft - NIOSH Method 1501

Analyte	Result ug/Sample	Result mg/m3	Result ppm	Qualifier	RL ug/Sample	Prepared	Analyzed	Dil Fac
Benzene	<3.72	<0.372	<0.116		3.72	04/16/20 08:05	04/16/20 14:06	1

Client Sample Results

Client: SCS Engineers
Project/Site: PSK Investments

Job ID: 550-140771-1
SDG: 25216050

Client Sample ID: PSK-SVE-3

Lab Sample ID: 550-140771-3

Date Collected: 04/10/20 00:00

Matrix: Air

Date Received: 04/14/20 09:30

Sample Air Volume: 10 L

Sample Container: IH - Coconut Shell Charcoal Tube, 150 mg

Method: PE-IHD-001 - NIOSH Method 1501

Analyte	Result ug/Sample	Result mg/m3	Result ppm	Qualifier	RL ug/Sample	Prepared	Analyzed	Dil Fac
Benzene	<3.72	<0.372	<0.116		3.72		04/17/20 19:01	1

Client Sample ID: PSK-SVE-4

Lab Sample ID: 550-140771-4

Date Collected: 04/11/20 00:00

Matrix: Air

Date Received: 04/14/20 09:30

Sample Air Volume: 10 L

Sample Container: IH - Coconut Shell Charcoal Tube, 600 mg

Method: PE-IHD-001, Bk - NIOSH Method 1500

Analyte	Result ug/Sample	Result mg/m3	Result ppm	Qualifier	RL ug/Sample	Prepared	Analyzed	Dil Fac
Total VOC as Hexane	<19.0	<1.90	<0.538		19.0	04/17/20 08:28	04/17/20 12:52	1

Method: PE-IHD-001, Ft - NIOSH Method 1500

Analyte	Result ug/Sample	Result mg/m3	Result ppm	Qualifier	RL ug/Sample	Prepared	Analyzed	Dil Fac
Total VOC as Hexane	30.1	3.01	0.855		19.0	04/17/20 08:28	04/17/20 13:40	1

Method: PE-IHD-001 - NIOSH Method 1500

Analyte	Result ug/Sample	Result mg/m3	Result ppm	Qualifier	RL ug/Sample	Prepared	Analyzed	Dil Fac
Total VOC as Hexane	30.1	3.01	0.855		19.0		04/20/20 16:21	1

QC Sample Results

Client: SCS Engineers
Project/Site: PSK Investments

Job ID: 550-140771-1
SDG: 25216050

Method: PE-IHD-001, Bk - NIOSH Method 1500

Lab Sample ID: MB 550-208146/1-A
Matrix: Air
Analysis Batch: 208147

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 208146

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total VOC as Hexane	<19.0		19.0	ug/Sample		04/17/20 08:28	04/17/20 11:31	1

Lab Sample ID: LCS 550-208146/5-A
Matrix: Air
Analysis Batch: 208147

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 208146

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Total VOC as Hexane	49.8	42.72		ug/Sample		86	62 - 145

Lab Sample ID: LCSD 550-208146/6-A
Matrix: Air
Analysis Batch: 208147

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 208146

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Total VOC as Hexane	49.8	55.46		ug/Sample		111	62 - 145	26	30

Method: PE-IHD-001, Bk - NIOSH Method 1501

Lab Sample ID: MB 550-208011/1-A
Matrix: Air
Analysis Batch: 208020

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 208011

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<3.72		3.72	ug/Sample		04/16/20 08:05	04/16/20 10:05	1

Method: PE-IHD-001, Ft - NIOSH Method 1501

Lab Sample ID: MB 550-208012/1-A
Matrix: Air
Analysis Batch: 208020

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 208012

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<3.72		3.72	ug/Sample		04/16/20 08:05	04/16/20 10:39	1

Lab Sample ID: LCS 550-208012/4-A
Matrix: Air
Analysis Batch: 208020

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 208012

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Benzene	8.80	9.374		ug/Sample		107	82 - 131

Lab Sample ID: LCSD 550-208012/5-A
Matrix: Air
Analysis Batch: 208020

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 208012

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	8.80	9.070		ug/Sample		103	82 - 131	3	30

QC Association Summary

Client: SCS Engineers
Project/Site: PSK Investments

Job ID: 550-140771-1
SDG: 25216050

IH - GC VOA

Prep Batch: 208011

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-140771-3	PSK-SVE-3	Total/NA	Air	Tube prep/Back	
MB 550-208011/1-A	Method Blank	Total/NA	Air	Tube prep/Back	

Prep Batch: 208012

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-140771-3	PSK-SVE-3	Total/NA	Air	Tube prep/Front	
MB 550-208012/1-A	Method Blank	Total/NA	Air	Tube prep/Front	
LCS 550-208012/4-A	Lab Control Sample	Total/NA	Air	Tube prep/Front	
LCSD 550-208012/5-A	Lab Control Sample Dup	Total/NA	Air	Tube prep/Front	

Analysis Batch: 208020

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-140771-3	PSK-SVE-3	Total/NA	Air	PE-IHD-001, Bk	208011
550-140771-3	PSK-SVE-3	Total/NA	Air	PE-IHD-001, Ft	208012
MB 550-208011/1-A	Method Blank	Total/NA	Air	PE-IHD-001, Bk	208011
MB 550-208012/1-A	Method Blank	Total/NA	Air	PE-IHD-001, Ft	208012
LCS 550-208012/4-A	Lab Control Sample	Total/NA	Air	PE-IHD-001, Ft	208012
LCSD 550-208012/5-A	Lab Control Sample Dup	Total/NA	Air	PE-IHD-001, Ft	208012

Prep Batch: 208145

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-140771-1	PSK-SVE-1	Total/NA	Air	Tube prep/Back	
550-140771-2	PSK-SVE-2	Total/NA	Air	Tube prep/Back	
550-140771-4	PSK-SVE-4	Total/NA	Air	Tube prep/Back	

Prep Batch: 208146

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-140771-1	PSK-SVE-1	Total/NA	Air	Tube prep/Front	
550-140771-2	PSK-SVE-2	Total/NA	Air	Tube prep/Front	
550-140771-4	PSK-SVE-4	Total/NA	Air	Tube prep/Front	
MB 550-208146/1-A	Method Blank	Total/NA	Air	Tube prep/Front	
LCS 550-208146/5-A	Lab Control Sample	Total/NA	Air	Tube prep/Front	
LCSD 550-208146/6-A	Lab Control Sample Dup	Total/NA	Air	Tube prep/Front	

Analysis Batch: 208147

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-140771-1	PSK-SVE-1	Total/NA	Air	PE-IHD-001, Bk	208145
550-140771-1	PSK-SVE-1	Total/NA	Air	PE-IHD-001, Ft	208146
550-140771-2	PSK-SVE-2	Total/NA	Air	PE-IHD-001, Bk	208145
550-140771-2	PSK-SVE-2	Total/NA	Air	PE-IHD-001, Ft	208146
550-140771-4	PSK-SVE-4	Total/NA	Air	PE-IHD-001, Bk	208145
550-140771-4	PSK-SVE-4	Total/NA	Air	PE-IHD-001, Ft	208146
MB 550-208146/1-A	Method Blank	Total/NA	Air	PE-IHD-001, Bk	208146
LCS 550-208146/5-A	Lab Control Sample	Total/NA	Air	PE-IHD-001, Bk	208146
LCSD 550-208146/6-A	Lab Control Sample Dup	Total/NA	Air	PE-IHD-001, Bk	208146

Analysis Batch: 208211

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-140771-3	PSK-SVE-3	Total/NA	Air	PE-IHD-001	

QC Association Summary

Client: SCS Engineers
Project/Site: PSK Investments

Job ID: 550-140771-1
SDG: 25216050

IH - GC VOA

Analysis Batch: 208323

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-140771-1	PSK-SVE-1	Total/NA	Air	PE-IHD-001	
550-140771-2	PSK-SVE-2	Total/NA	Air	PE-IHD-001	
550-140771-4	PSK-SVE-4	Total/NA	Air	PE-IHD-001	

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Lab Chronicle

Client: SCS Engineers
Project/Site: PSK Investments

Job ID: 550-140771-1
SDG: 25216050

Client Sample ID: PSK-SVE-1

Lab Sample ID: 550-140771-1

Date Collected: 04/09/20 00:00

Matrix: Air

Date Received: 04/14/20 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	PE-IHD-001		1	208323	04/20/20 16:21	SLS	TAL PHX
Total/NA	Prep	Tube prep/Back			208145	04/17/20 08:28	ZN1	TAL PHX
Total/NA	Analysis	PE-IHD-001, Bk		1	208147	04/17/20 12:19	KJS	TAL PHX
Total/NA	Prep	Tube prep/Front			208146	04/17/20 08:28	ZN1	TAL PHX
Total/NA	Analysis	PE-IHD-001, Ft		1	208147	04/17/20 13:07	KJS	TAL PHX

Client Sample ID: PSK-SVE-2

Lab Sample ID: 550-140771-2

Date Collected: 04/10/20 00:00

Matrix: Air

Date Received: 04/14/20 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	PE-IHD-001		1	208323	04/20/20 16:21	SLS	TAL PHX
Total/NA	Prep	Tube prep/Back			208145	04/17/20 08:28	ZN1	TAL PHX
Total/NA	Analysis	PE-IHD-001, Bk		1	208147	04/17/20 12:35	KJS	TAL PHX
Total/NA	Prep	Tube prep/Front			208146	04/17/20 08:28	ZN1	TAL PHX
Total/NA	Analysis	PE-IHD-001, Ft		1	208147	04/17/20 13:23	KJS	TAL PHX

Client Sample ID: PSK-SVE-3

Lab Sample ID: 550-140771-3

Date Collected: 04/10/20 00:00

Matrix: Air

Date Received: 04/14/20 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	PE-IHD-001		1	208211	04/17/20 19:01	SLS	TAL PHX
Total/NA	Prep	Tube prep/Back			208011	04/16/20 08:05	ZN1	TAL PHX
Total/NA	Analysis	PE-IHD-001, Bk		1	208020	04/16/20 13:31	ZN1	TAL PHX
Total/NA	Prep	Tube prep/Front			208012	04/16/20 08:05	ZN1	TAL PHX
Total/NA	Analysis	PE-IHD-001, Ft		1	208020	04/16/20 14:06	ZN1	TAL PHX

Client Sample ID: PSK-SVE-4

Lab Sample ID: 550-140771-4

Date Collected: 04/11/20 00:00

Matrix: Air

Date Received: 04/14/20 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	PE-IHD-001		1	208323	04/20/20 16:21	SLS	TAL PHX
Total/NA	Prep	Tube prep/Back			208145	04/17/20 08:28	ZN1	TAL PHX
Total/NA	Analysis	PE-IHD-001, Bk		1	208147	04/17/20 12:52	KJS	TAL PHX
Total/NA	Prep	Tube prep/Front			208146	04/17/20 08:28	ZN1	TAL PHX
Total/NA	Analysis	PE-IHD-001, Ft		1	208147	04/17/20 13:40	KJS	TAL PHX

Laboratory References:

TAL PHX = Eurofins TestAmerica, Phoenix, 4625 East Cotton Ctr Blvd, Suite 189, Phoenix, AZ 85040, TEL (602)437-3340

Accreditation/Certification Summary

Client: SCS Engineers
Project/Site: PSK Investments

Job ID: 550-140771-1
SDG: 25216050

Laboratory: Eurofins TestAmerica, Phoenix

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
AIHA-LAP, LLC	Industrial Hygiene Laboratory Accreditation Program (IHLAP)	154268	10-01-21

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Method Summary

Client: SCS Engineers
Project/Site: PSK Investments

Job ID: 550-140771-1
SDG: 25216050

Method	Method Description	Protocol	Laboratory
PE-IHD-001	NIOSH Method 1500	NIOSH	TAL PHX
PE-IHD-001	NIOSH Method 1501	NIOSH	TAL PHX
PE-IHD-001, Bk	NIOSH Method 1500	NIOSH	TAL PHX
PE-IHD-001, Bk	NIOSH Method 1501	NIOSH	TAL PHX
PE-IHD-001, Ft	NIOSH Method 1500	NIOSH	TAL PHX
PE-IHD-001, Ft	NIOSH Method 1501	NIOSH	TAL PHX
Tube prep/Back	Preparation, Air Sampling Tube	NIOSH	TAL PHX
Tube prep/Front	Preparation, Air Sampling Tube	NIOSH	TAL PHX

Protocol References:

NIOSH = NIOSH Manual Of Analytical Methods, National Institute For Occupational Safety And Health, 4th Edition, August 1994 and it's Supplements

Laboratory References:

TAL PHX = Eurofins TestAmerica, Phoenix, 4625 East Cotton Ctr Blvd, Suite 189, Phoenix, AZ 85040, TEL (602)437-3340



Environment Testing
TestAmerica

Eurofins TestAmerica Laboratories, Inc.; Phoenix Laboratory - 4625 E. Cotton Center Blvd. Suite 189, Phoenix, AZ 85040 602.437.3340 Fax 602.454.9303
www.testamericainc.com or Call 1.866.772.5227

Lab Number:

140771

Company: <u>SCS Engineers</u>	Page _____ of _____
Contact Name: <u>Keith Gilkey</u>	Sampler Name and Phone Number: <u>Keith Gilkey</u>
E-Mail Address: <u>kgilkey@scsengineers.com</u> Phone: <u>608.469.2753</u>	Project Name: <u>PSK Investments</u>
Address: <u>22830 Dorcy Dr.</u>	Project Number: <u>25216050</u>
City, State, Zip: <u>MADISON WI 53718</u>	P.O. Number: _____ Data Package: _____
Send Report To: <u>Keith Gilkey</u> Phone: <u>608.469.2753</u>	Hardcopy Results: Y <input type="checkbox"/> N <input checked="" type="checkbox"/>
E-Mail Address: <u>kgilkey@scsengineers.com</u>	E-Mail Results: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>
Send Invoice To: <u>SAME</u> Phone: _____	EDD: Y <input type="checkbox"/> N <input type="checkbox"/>
E-Mail Address: _____	Standard Level II: _____ Level III: _____ Level IV: _____

TVOC

Sample Receipt	Turn Around Request
Temperature _____ °C	<input type="checkbox"/> Same Day <input type="checkbox"/> 3 Business Days
Sample Seals Intact: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	<input type="checkbox"/> 1 Business Day <input type="checkbox"/> 4 Business Days
Sample Seals Intact: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	<input type="checkbox"/> 2 Business Days <input checked="" type="checkbox"/> 5 Business Days (Standard)
Total # of Samples: <u>4</u>	Rushes are subject to availability. (Surcharges apply)



550-140771 Chain of Custody

Analysis Method(s)/Analyte(s)

Benzene
Total Hydrocarbons

Sample Information												
Lab # (Internal Use Only)	Media Type: Filter, Passive Badge, Tube or Wipe	Pump ID Number	Flow Rate (Liters/minute)	Sample Identification Name/Number	Collection Date	Start Time	Stop Time	Total Minutes Sampled (Badge Only)	Total Volume (Liters)	Area Wiped in cm ²	Sampling Temperature (°C)	Sampling Pressure (mmHg)
			<u>0.2</u>	PSK-SKF-1	4/9/20	1022	1047	25	5.0	KG		KG
<u>01</u>			<u>0.2</u>	<u>PSK-SVE-1</u>	<u>4/9/20</u>	<u>1051</u>	<u>1126</u>	<u>35</u>	<u>7.0</u>			<u>KG</u>
<u>02</u>			<u>0.2</u>	<u>PSK-SVE-2</u>	<u>4/10/20</u>	<u>1240</u>	<u>1330</u>	<u>50</u>	<u>10.0</u>			<u>KG</u>
<u>03</u>			<u>0.2</u>	<u>PSK-SVE-3</u>	<u>4/10/20</u>	<u>1330</u>	<u>1420</u>	<u>50</u>	<u>10.0</u>			<u>KG</u>
<u>04</u>			<u>0.2</u>	<u>PSK-SVE-4</u>	<u>4/4/20</u>	<u>1203</u>	<u>1253</u>	<u>50</u>	<u>10.0</u>			<u>KG</u>

Instructions / Special Requirements: _____

Date: <u>4/13/2020</u>	Time: <u>1432</u>	Samples Relinquished By: <u>Keith Gilkey</u>	Received By: <u>[Signature]</u>
Date: <u>4/14/20</u>	Time: <u>9:30</u>	Samples Relinquished By: <u>Feller</u>	Received By: <u>[Signature]</u>

All services are provided subject to the Terms & Conditions on the reverse side.

TAPAX

Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 550-140771-1

SDG Number: 25216050

Login Number: 140771

List Source: Eurofins TestAmerica, Phoenix

List Number: 1

Creator: McCutcheon, Carlene

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

ANALYTICAL REPORT

Eurofins TestAmerica, Phoenix
4625 East Cotton Ctr Blvd
Suite 189
Phoenix, AZ 85040
Tel: (602)437-3340

Laboratory Job ID: 550-141011-1
Laboratory Sample Delivery Group: 25216050
Client Project/Site: PSK Industries

For:
SCS Engineers
2830 Dairy Drive
Madison, Wisconsin 53718-6751

Attn: Keith Gilkey



Authorized for release by:
4/21/2020 12:04:17 AM

Carlene McCutcheon, Project Manager II
(602)659-7612
carlene.mccutcheon@testamericainc.com

LINKS

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results through
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Have a Question?



Visit us at:
www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



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Definitions/Glossary

Client: SCS Engineers
Project/Site: PSK Industries

Job ID: 550-141011-1
SDG: 25216050

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: SCS Engineers
Project/Site: PSK Industries

Job ID: 550-141011-1
SDG: 25216050

Job ID: 550-141011-1

Laboratory: Eurofins TestAmerica, Phoenix

Narrative

Job Narrative
550-141011-1

Comments

No additional comments.

Receipt

The sample was received on 4/17/2020 9:20 AM; the sample arrived in good condition.

Industrial Hygiene

Methods 1500 Back, 1500 Front: The method blank associated with preparation batch 550-208146 and 550-208145 and analytical batch 550-208147 did not contain any target analytes at or above reporting limit (RL). Blank correction was not performed on the QC samples or client's sample(s).

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



Sample Summary

Client: SCS Engineers
Project/Site: PSK Industries

Job ID: 550-141011-1
SDG: 25216050

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
550-141011-1	PSK-SVE	Air	04/16/20 00:00	04/17/20 09:20	

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Detection Summary

Client: SCS Engineers
Project/Site: PSK Industries

Job ID: 550-141011-1
SDG: 25216050

Client Sample ID: PSK-SVE

Lab Sample ID: 550-141011-1

No Detections.

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Phoenix

Client Sample Results

Client: SCS Engineers
 Project/Site: PSK Industries

Job ID: 550-141011-1
 SDG: 25216050

Client Sample ID: PSK-SVE

Lab Sample ID: 550-141011-1

Date Collected: 04/16/20 00:00

Matrix: Air

Date Received: 04/17/20 09:20

Sample Air Volume: 10.0 L

Sample Container: IH - Coconut Shell Charcoal Tube, 600 mg

Method: PE-IHD-001, Bk - NIOSH Method 1500

Analyte	Result ug/Sample	Result mg/m3	Result ppm	Qualifier	RL ug/Sample	Prepared	Analyzed	Dil Fac
Total VOC as Hexane	<19.0	<1.90	<0.538		19.0	04/17/20 13:02	04/17/20 13:56	1

Method: PE-IHD-001, Ft - NIOSH Method 1500

Analyte	Result ug/Sample	Result mg/m3	Result ppm	Qualifier	RL ug/Sample	Prepared	Analyzed	Dil Fac
Total VOC as Hexane	<19.0	<1.90	<0.538		19.0	04/17/20 13:02	04/17/20 14:12	1

Method: PE-IHD-001 - NIOSH Method 1500

Analyte	Result ug/Sample	Result mg/m3	Result ppm	Qualifier	RL ug/Sample	Prepared	Analyzed	Dil Fac
Total VOC as Hexane	<19.0	<1.90	<0.538		19.0		04/20/20 16:21	1

QC Sample Results

Client: SCS Engineers
Project/Site: PSK Industries

Job ID: 550-141011-1
SDG: 25216050

Method: PE-IHD-001, Bk - NIOSH Method 1500

Lab Sample ID: MB 550-208146/1-A
Matrix: Air
Analysis Batch: 208147

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 208146

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total VOC as Hexane	<19.0		19.0	ug/Sample		04/17/20 08:28	04/17/20 11:31	1

Lab Sample ID: LCS 550-208146/5-A
Matrix: Air
Analysis Batch: 208147

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 208146

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Total VOC as Hexane	49.8	42.72		ug/Sample		86	62 - 145

Lab Sample ID: LCSD 550-208146/6-A
Matrix: Air
Analysis Batch: 208147

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 208146

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Total VOC as Hexane	49.8	55.46		ug/Sample		111	62 - 145	26	30

QC Association Summary

Client: SCS Engineers
Project/Site: PSK Industries

Job ID: 550-141011-1
SDG: 25216050

IH - GC VOA

Prep Batch: 208145

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-141011-1	PSK-SVE	Total/NA	Air	Tube prep/Back	

Prep Batch: 208146

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-141011-1	PSK-SVE	Total/NA	Air	Tube prep/Front	
MB 550-208146/1-A	Method Blank	Total/NA	Air	Tube prep/Front	
LCS 550-208146/5-A	Lab Control Sample	Total/NA	Air	Tube prep/Front	
LCSD 550-208146/6-A	Lab Control Sample Dup	Total/NA	Air	Tube prep/Front	

Analysis Batch: 208147

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-141011-1	PSK-SVE	Total/NA	Air	PE-IHD-001, Bk	208145
550-141011-1	PSK-SVE	Total/NA	Air	PE-IHD-001, Ft	208146
MB 550-208146/1-A	Method Blank	Total/NA	Air	PE-IHD-001, Bk	208146
LCS 550-208146/5-A	Lab Control Sample	Total/NA	Air	PE-IHD-001, Bk	208146
LCSD 550-208146/6-A	Lab Control Sample Dup	Total/NA	Air	PE-IHD-001, Bk	208146

Analysis Batch: 208324

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-141011-1	PSK-SVE	Total/NA	Air	PE-IHD-001	

Lab Chronicle

Client: SCS Engineers
Project/Site: PSK Industries

Job ID: 550-141011-1
SDG: 25216050

Client Sample ID: PSK-SVE

Lab Sample ID: 550-141011-1

Date Collected: 04/16/20 00:00

Matrix: Air

Date Received: 04/17/20 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	PE-IHD-001		1	208324	04/20/20 16:21	SLS	TAL PHX
Total/NA	Prep	Tube prep/Back			208145	04/17/20 13:02	ZN1	TAL PHX
Total/NA	Analysis	PE-IHD-001, Bk		1	208147	04/17/20 13:56	KJS	TAL PHX
Total/NA	Prep	Tube prep/Front			208146	04/17/20 13:02	ZN1	TAL PHX
Total/NA	Analysis	PE-IHD-001, Ft		1	208147	04/17/20 14:12	KJS	TAL PHX

Laboratory References:

TAL PHX = Eurofins TestAmerica, Phoenix, 4625 East Cotton Ctr Blvd, Suite 189, Phoenix, AZ 85040, TEL (602)437-3340

Accreditation/Certification Summary

Client: SCS Engineers
Project/Site: PSK Industries

Job ID: 550-141011-1
SDG: 25216050

Laboratory: Eurofins TestAmerica, Phoenix

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
AIHA-LAP, LLC	Industrial Hygiene Laboratory Accreditation Program (IHLAP)	154268	10-01-21

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Method Summary

Client: SCS Engineers
Project/Site: PSK Industries

Job ID: 550-141011-1
SDG: 25216050

Method	Method Description	Protocol	Laboratory
PE-IHD-001	NIOSH Method 1500	NIOSH	TAL PHX
PE-IHD-001, Bk	NIOSH Method 1500	NIOSH	TAL PHX
PE-IHD-001, Ft	NIOSH Method 1500	NIOSH	TAL PHX
Tube prep/Back	Preparation, Air Sampling Tube	NIOSH	TAL PHX
Tube prep/Front	Preparation, Air Sampling Tube	NIOSH	TAL PHX

Protocol References:

NIOSH = NIOSH Manual Of Analytical Methods, National Institute For Occupational Safety And Health, 4th Edition, August 1994 and it's Supplements

Laboratory References:

TAL PHX = Eurofins TestAmerica, Phoenix, 4625 East Cotton Ctr Blvd, Suite 189, Phoenix, AZ 85040, TEL (602)437-3340



Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 550-141011-1

SDG Number: 25216050

Login Number: 141011

List Source: Eurofins TestAmerica, Phoenix

List Number: 1

Creator: Gravlin, Andrea

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



ANALYTICAL REPORT

Eurofins TestAmerica, Phoenix
4625 East Cotton Ctr Blvd
Suite 189
Phoenix, AZ 85040
Tel: (602)437-3340

Laboratory Job ID: 550-141915-1
Laboratory Sample Delivery Group: 25216050
Client Project/Site: PSK Investments

For:
SCS Engineers
2830 Dairy Drive
Madison, Wisconsin 53718-6751

Attn: Keith Gilkey



Authorized for release by:
5/19/2020 9:00:05 AM

Carlene McCutcheon, Project Manager II
(602)659-7612
carlene.mccutcheon@testamericainc.com

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



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Definitions/Glossary

Client: SCS Engineers
Project/Site: PSK Investments

Job ID: 550-141915-1
SDG: 25216050

Qualifiers

IH - GC VOA

Qualifier	Qualifier Description
S7	Sample breakthrough to second section is >10%. Results may be biased low.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: SCS Engineers
Project/Site: PSK Investments

Job ID: 550-141915-1
SDG: 25216050

Job ID: 550-141915-1

Laboratory: Eurofins TestAmerica, Phoenix

Narrative

Job Narrative
550-141915-1

Comments

No additional comments.

Receipt

The samples were received on 5/8/2020 10:00 AM; the samples arrived in good condition.

Industrial Hygiene

Methods 1500 Back, 1500 Front: The method blank associated with preparation batch 550-210453 and 550-210454 and analytical batch 550-210467 did not contain any target analytes at or above reporting limit (RL). Blank correction was not performed on the QC samples or client's sample(s).

Methods 1501 Back, 1501 Front: The method blank associated with preparation batch 550-210463 and 550-210464 and analytical batch 550-210456 did not contain any target analytes at or above reporting limit (RL). Blank correction was not performed on the QC samples or client's sample(s).

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



Sample Summary

Client: SCS Engineers
Project/Site: PSK Investments

Job ID: 550-141915-1
SDG: 25216050

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
550-141915-1	PSK-SVE	Air	04/22/20 00:00	05/08/20 10:00	
550-141915-2	PSK-SVE-BZ	Air	04/30/20 00:00	05/08/20 10:00	
550-141915-3	PSK-SVE-A	Air	04/30/20 00:00	05/08/20 10:00	
550-141915-4	PSK-SVE-C	Air	05/06/20 00:00	05/08/20 10:00	

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Detection Summary

Client: SCS Engineers
Project/Site: PSK Investments

Job ID: 550-141915-1
SDG: 25216050

Client Sample ID: PSK-SVE

Lab Sample ID: 550-141915-1

Analyte	Result ug/Sample	Result mg/m3	Result ppm	Qualifier	RL ug/Sample	Dil Fac	Method	Prep Type
Total VOC as Hexane	41.0	4.10	1.16		19.0	1	PE-IHD-001, Bk	Total/NA
Total VOC as Hexane	43.5	4.35	1.23		19.0	1	PE-IHD-001, Ft	Total/NA
Total VOC as Hexane	84.6	8.46	2.40	S7	19.0	1	PE-IHD-001	Total/NA

Client Sample ID: PSK-SVE-BZ

Lab Sample ID: 550-141915-2

No Detections.

Client Sample ID: PSK-SVE-A

Lab Sample ID: 550-141915-3

No Detections.

Client Sample ID: PSK-SVE-C

Lab Sample ID: 550-141915-4

Analyte	Result ug/Sample	Result mg/m3	Result ppm	Qualifier	RL ug/Sample	Dil Fac	Method	Prep Type
Total VOC as Hexane	39.2	3.92	1.11		19.0	1	PE-IHD-001, Ft	Total/NA
Total VOC as Hexane	39.2	3.92	1.11		19.0	1	PE-IHD-001	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Phoenix

Client Sample Results

Client: SCS Engineers
Project/Site: PSK Investments

Job ID: 550-141915-1
SDG: 25216050

Client Sample ID: PSK-SVE

Lab Sample ID: 550-141915-1

Date Collected: 04/22/20 00:00

Matrix: Air

Date Received: 05/08/20 10:00

Sample Air Volume: 10 L

Sample Container: IH - Coconut Shell Charcoal Tube, 600 mg

Method: PE-IHD-001, Bk - NIOSH Method 1500

Analyte	Result ug/Sample	Result mg/m3	Result ppm	Qualifier	RL ug/Sample	Prepared	Analyzed	Dil Fac
Total VOC as Hexane	41.0	4.10	1.16		19.0	05/15/20 07:45	05/15/20 12:33	1

Method: PE-IHD-001, Ft - NIOSH Method 1500

Analyte	Result ug/Sample	Result mg/m3	Result ppm	Qualifier	RL ug/Sample	Prepared	Analyzed	Dil Fac
Total VOC as Hexane	43.5	4.35	1.23		19.0	05/15/20 07:45	05/15/20 13:21	1

Method: PE-IHD-001 - NIOSH Method 1500

Analyte	Result ug/Sample	Result mg/m3	Result ppm	Qualifier	RL ug/Sample	Prepared	Analyzed	Dil Fac
Total VOC as Hexane	84.6	8.46	2.40	S7	19.0		05/18/20 17:17	1

Client Sample ID: PSK-SVE-BZ

Lab Sample ID: 550-141915-2

Date Collected: 04/30/20 00:00

Matrix: Air

Date Received: 05/08/20 10:00

Sample Air Volume: 10 L

Sample Container: IH - Coconut Shell Charcoal Tube, 600 mg

Method: PE-IHD-001, Bk - NIOSH Method 1501

Analyte	Result ug/Sample	Result mg/m3	Result ppm	Qualifier	RL ug/Sample	Prepared	Analyzed	Dil Fac
Benzene	<3.72	<0.372	<0.116		3.72	05/15/20 09:13	05/15/20 12:54	1

Method: PE-IHD-001, Ft - NIOSH Method 1501

Analyte	Result ug/Sample	Result mg/m3	Result ppm	Qualifier	RL ug/Sample	Prepared	Analyzed	Dil Fac
Benzene	<3.72	<0.372	<0.116		3.72	05/15/20 09:13	05/15/20 13:29	1

Method: PE-IHD-001 - NIOSH Method 1501

Analyte	Result ug/Sample	Result mg/m3	Result ppm	Qualifier	RL ug/Sample	Prepared	Analyzed	Dil Fac
Benzene	<3.72	<0.372	<0.116		3.72		05/18/20 17:19	1

Client Sample ID: PSK-SVE-A

Lab Sample ID: 550-141915-3

Date Collected: 04/30/20 00:00

Matrix: Air

Date Received: 05/08/20 10:00

Sample Air Volume: 10 L

Sample Container: IH - Coconut Shell Charcoal Tube, 600 mg

Method: PE-IHD-001, Bk - NIOSH Method 1500

Analyte	Result ug/Sample	Result mg/m3	Result ppm	Qualifier	RL ug/Sample	Prepared	Analyzed	Dil Fac
Total VOC as Hexane	<19.0	<1.90	<0.538		19.0	05/15/20 07:45	05/15/20 12:49	1

Method: PE-IHD-001, Ft - NIOSH Method 1500

Analyte	Result ug/Sample	Result mg/m3	Result ppm	Qualifier	RL ug/Sample	Prepared	Analyzed	Dil Fac
Total VOC as Hexane	<19.0	<1.90	<0.538		19.0	05/15/20 07:45	05/15/20 13:37	1

Client Sample Results

Client: SCS Engineers
Project/Site: PSK Investments

Job ID: 550-141915-1
SDG: 25216050

Client Sample ID: PSK-SVE-A

Lab Sample ID: 550-141915-3

Date Collected: 04/30/20 00:00

Matrix: Air

Date Received: 05/08/20 10:00

Sample Air Volume: 10 L

Sample Container: IH - Coconut Shell Charcoal Tube, 600 mg

Method: PE-IHD-001 - NIOSH Method 1500

Analyte	Result ug/Sample	Result mg/m3	Result ppm	Qualifier	RL ug/Sample	Prepared	Analyzed	Dil Fac
Total VOC as Hexane	<19.0	<1.90	<0.538		19.0		05/18/20 17:17	1

Client Sample ID: PSK-SVE-C

Lab Sample ID: 550-141915-4

Date Collected: 05/06/20 00:00

Matrix: Air

Date Received: 05/08/20 10:00

Sample Air Volume: 10 L

Sample Container: IH - Coconut Shell Charcoal Tube, 600 mg

Method: PE-IHD-001, Bk - NIOSH Method 1500

Analyte	Result ug/Sample	Result mg/m3	Result ppm	Qualifier	RL ug/Sample	Prepared	Analyzed	Dil Fac
Total VOC as Hexane	<19.0	<1.90	<0.538		19.0	05/15/20 07:45	05/15/20 13:05	1

Method: PE-IHD-001, Ft - NIOSH Method 1500

Analyte	Result ug/Sample	Result mg/m3	Result ppm	Qualifier	RL ug/Sample	Prepared	Analyzed	Dil Fac
Total VOC as Hexane	39.2	3.92	1.11		19.0	05/15/20 07:45	05/15/20 13:54	1

Method: PE-IHD-001 - NIOSH Method 1500

Analyte	Result ug/Sample	Result mg/m3	Result ppm	Qualifier	RL ug/Sample	Prepared	Analyzed	Dil Fac
Total VOC as Hexane	39.2	3.92	1.11		19.0		05/18/20 17:17	1

QC Sample Results

Client: SCS Engineers
Project/Site: PSK Investments

Job ID: 550-141915-1
SDG: 25216050

Method: PE-IHD-001, Bk - NIOSH Method 1500

Lab Sample ID: MB 550-210453/1-A
Matrix: Air
Analysis Batch: 210467

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 210453

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total VOC as Hexane	<19.0		19.0	ug/Sample		05/15/20 07:45	05/15/20 11:27	1

Method: PE-IHD-001, Bk - NIOSH Method 1501

Lab Sample ID: MB 550-210463/1-A
Matrix: Air
Analysis Batch: 210456

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 210463

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<3.72		3.72	ug/Sample		05/15/20 09:13	05/15/20 10:37	1

Method: PE-IHD-001, Ft - NIOSH Method 1500

Lab Sample ID: MB 550-210454/1-A
Matrix: Air
Analysis Batch: 210467

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 210454

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total VOC as Hexane	<19.0		19.0	ug/Sample		05/15/20 07:45	05/15/20 11:43	1

Lab Sample ID: LCS 550-210454/5-A
Matrix: Air
Analysis Batch: 210467

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 210454
%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Total VOC as Hexane	49.8	65.54		ug/Sample		132	62 - 145

Lab Sample ID: LCSD 550-210454/6-A
Matrix: Air
Analysis Batch: 210467

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 210454
%Rec.

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Total VOC as Hexane	49.8	70.72		ug/Sample		142	62 - 145	8	30

Method: PE-IHD-001, Ft - NIOSH Method 1501

Lab Sample ID: MB 550-210464/1-A
Matrix: Air
Analysis Batch: 210456

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 210464

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<3.72		3.72	ug/Sample		05/15/20 09:13	05/15/20 11:12	1

Lab Sample ID: LCS 550-210464/3-A
Matrix: Air
Analysis Batch: 210456

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 210464
%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Benzene	8.80	9.857		ug/Sample		112	82 - 131

QC Association Summary

Client: SCS Engineers
Project/Site: PSK Investments

Job ID: 550-141915-1
SDG: 25216050

IH - GC VOA

Prep Batch: 210453

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-141915-1	PSK-SVE	Total/NA	Air	Tube prep/Back	
550-141915-3	PSK-SVE-A	Total/NA	Air	Tube prep/Back	
550-141915-4	PSK-SVE-C	Total/NA	Air	Tube prep/Back	
MB 550-210453/1-A	Method Blank	Total/NA	Air	Tube prep/Back	

Prep Batch: 210454

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-141915-1	PSK-SVE	Total/NA	Air	Tube prep/Front	
550-141915-3	PSK-SVE-A	Total/NA	Air	Tube prep/Front	
550-141915-4	PSK-SVE-C	Total/NA	Air	Tube prep/Front	
MB 550-210454/1-A	Method Blank	Total/NA	Air	Tube prep/Front	
LCS 550-210454/5-A	Lab Control Sample	Total/NA	Air	Tube prep/Front	
LCSD 550-210454/6-A	Lab Control Sample Dup	Total/NA	Air	Tube prep/Front	

Analysis Batch: 210456

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-141915-2	PSK-SVE-BZ	Total/NA	Air	PE-IHD-001, Bk	210463
550-141915-2	PSK-SVE-BZ	Total/NA	Air	PE-IHD-001, Ft	210464
MB 550-210463/1-A	Method Blank	Total/NA	Air	PE-IHD-001, Bk	210463
MB 550-210464/1-A	Method Blank	Total/NA	Air	PE-IHD-001, Ft	210464
LCS 550-210464/3-A	Lab Control Sample	Total/NA	Air	PE-IHD-001, Ft	210464

Prep Batch: 210463

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-141915-2	PSK-SVE-BZ	Total/NA	Air	Tube prep/Back	
MB 550-210463/1-A	Method Blank	Total/NA	Air	Tube prep/Back	

Prep Batch: 210464

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-141915-2	PSK-SVE-BZ	Total/NA	Air	Tube prep/Front	
MB 550-210464/1-A	Method Blank	Total/NA	Air	Tube prep/Front	
LCS 550-210464/3-A	Lab Control Sample	Total/NA	Air	Tube prep/Front	

Analysis Batch: 210467

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-141915-1	PSK-SVE	Total/NA	Air	PE-IHD-001, Bk	210453
550-141915-1	PSK-SVE	Total/NA	Air	PE-IHD-001, Ft	210454
550-141915-3	PSK-SVE-A	Total/NA	Air	PE-IHD-001, Bk	210453
550-141915-3	PSK-SVE-A	Total/NA	Air	PE-IHD-001, Ft	210454
550-141915-4	PSK-SVE-C	Total/NA	Air	PE-IHD-001, Bk	210453
550-141915-4	PSK-SVE-C	Total/NA	Air	PE-IHD-001, Ft	210454
MB 550-210453/1-A	Method Blank	Total/NA	Air	PE-IHD-001, Bk	210453
MB 550-210454/1-A	Method Blank	Total/NA	Air	PE-IHD-001, Ft	210454
LCS 550-210454/5-A	Lab Control Sample	Total/NA	Air	PE-IHD-001, Ft	210454
LCSD 550-210454/6-A	Lab Control Sample Dup	Total/NA	Air	PE-IHD-001, Ft	210454

Analysis Batch: 210607

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-141915-1	PSK-SVE	Total/NA	Air	PE-IHD-001	
550-141915-3	PSK-SVE-A	Total/NA	Air	PE-IHD-001	
550-141915-4	PSK-SVE-C	Total/NA	Air	PE-IHD-001	

QC Association Summary

Client: SCS Engineers
Project/Site: PSK Investments

Job ID: 550-141915-1
SDG: 25216050

IH - GC VOA

Analysis Batch: 210608

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-141915-2	PSK-SVE-BZ	Total/NA	Air	PE-IHD-001	

- 1
- 2
- 3
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- 5
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- 7
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- 9
- 10
- 11
- 12
- 13
- 14

Lab Chronicle

Client: SCS Engineers
Project/Site: PSK Investments

Job ID: 550-141915-1
SDG: 25216050

Client Sample ID: PSK-SVE

Lab Sample ID: 550-141915-1

Date Collected: 04/22/20 00:00

Matrix: Air

Date Received: 05/08/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	PE-IHD-001		1	210607	05/18/20 17:17	SLS	TAL PHX
Total/NA	Prep	Tube prep/Back			210453	05/15/20 07:45	ZN1	TAL PHX
Total/NA	Analysis	PE-IHD-001, Bk		1	210467	05/15/20 12:33	ZN1	TAL PHX
Total/NA	Prep	Tube prep/Front			210454	05/15/20 07:45	ZN1	TAL PHX
Total/NA	Analysis	PE-IHD-001, Ft		1	210467	05/15/20 13:21	ZN1	TAL PHX

Client Sample ID: PSK-SVE-BZ

Lab Sample ID: 550-141915-2

Date Collected: 04/30/20 00:00

Matrix: Air

Date Received: 05/08/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	PE-IHD-001		1	210608	05/18/20 17:19	SLS	TAL PHX
Total/NA	Prep	Tube prep/Back			210463	05/15/20 09:13	ZN1	TAL PHX
Total/NA	Analysis	PE-IHD-001, Bk		1	210456	05/15/20 12:54	ZN1	TAL PHX
Total/NA	Prep	Tube prep/Front			210464	05/15/20 09:13	ZN1	TAL PHX
Total/NA	Analysis	PE-IHD-001, Ft		1	210456	05/15/20 13:29	ZN1	TAL PHX

Client Sample ID: PSK-SVE-A

Lab Sample ID: 550-141915-3

Date Collected: 04/30/20 00:00

Matrix: Air

Date Received: 05/08/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	PE-IHD-001		1	210607	05/18/20 17:17	SLS	TAL PHX
Total/NA	Prep	Tube prep/Back			210453	05/15/20 07:45	ZN1	TAL PHX
Total/NA	Analysis	PE-IHD-001, Bk		1	210467	05/15/20 12:49	ZN1	TAL PHX
Total/NA	Prep	Tube prep/Front			210454	05/15/20 07:45	ZN1	TAL PHX
Total/NA	Analysis	PE-IHD-001, Ft		1	210467	05/15/20 13:37	ZN1	TAL PHX

Client Sample ID: PSK-SVE-C

Lab Sample ID: 550-141915-4

Date Collected: 05/06/20 00:00

Matrix: Air

Date Received: 05/08/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	PE-IHD-001		1	210607	05/18/20 17:17	SLS	TAL PHX
Total/NA	Prep	Tube prep/Back			210453	05/15/20 07:45	ZN1	TAL PHX
Total/NA	Analysis	PE-IHD-001, Bk		1	210467	05/15/20 13:05	ZN1	TAL PHX
Total/NA	Prep	Tube prep/Front			210454	05/15/20 07:45	ZN1	TAL PHX
Total/NA	Analysis	PE-IHD-001, Ft		1	210467	05/15/20 13:54	ZN1	TAL PHX

Laboratory References:

TAL PHX = Eurofins TestAmerica, Phoenix, 4625 East Cotton Ctr Blvd, Suite 189, Phoenix, AZ 85040, TEL (602)437-3340

Accreditation/Certification Summary

Client: SCS Engineers
Project/Site: PSK Investments

Job ID: 550-141915-1
SDG: 25216050

Laboratory: Eurofins TestAmerica, Phoenix

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
AIHA-LAP, LLC	Industrial Hygiene Laboratory Accreditation Program (IHLAP)	154268	10-01-21

- 1
- 2
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Method Summary

Client: SCS Engineers
Project/Site: PSK Investments

Job ID: 550-141915-1
SDG: 25216050

Method	Method Description	Protocol	Laboratory
PE-IHD-001	NIOSH Method 1500	NIOSH	TAL PHX
PE-IHD-001	NIOSH Method 1501	NIOSH	TAL PHX
PE-IHD-001, Bk	NIOSH Method 1500	NIOSH	TAL PHX
PE-IHD-001, Bk	NIOSH Method 1501	NIOSH	TAL PHX
PE-IHD-001, Ft	NIOSH Method 1500	NIOSH	TAL PHX
PE-IHD-001, Ft	NIOSH Method 1501	NIOSH	TAL PHX
Tube prep/Back	Preparation, Air Sampling Tube	NIOSH	TAL PHX
Tube prep/Front	Preparation, Air Sampling Tube	NIOSH	TAL PHX

Protocol References:

NIOSH = NIOSH Manual Of Analytical Methods, National Institute For Occupational Safety And Health, 4th Edition, August 1994 and it's Supplements

Laboratory References:

TAL PHX = Eurofins TestAmerica, Phoenix, 4625 East Cotton Ctr Blvd, Suite 189, Phoenix, AZ 85040, TEL (602)437-3340



Environment Testing
TestAmerica

Eurofins TestAmerica Laboratories, Inc.; Phoenix Laboratory - 4625 E. Cotton Center Blvd. Suite 189, Phoenix, AZ 85040 602.437.3340 Fax 602.454.9303
www.testamericainc.com or Call 1.866.772.5227

Lab Number:

141915

Company: SCS Engineers	Page _____ of _____
Contact Name: Keith Gilkey	Sampler Name and Phone Number: Zach Watson 262 271 3744
E-Mail Address: _____ Phone: 608 469 2753	Project Name: PSK Investments
Address: 2830 Dairy Dr	Project Number: 25216050
City, State, Zip: Madison WI 53718	P.O. Number: _____ Data Package: _____
Send Report To: Keith Gilkey Phone: _____	Hardcopy Results: <input type="checkbox"/> Y <input type="checkbox"/> N
E-Mail Address: kgilkey@scsengineers.com	E-Mail Results: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Send Invoice To: kgilkey@scsengineers.com Phone: _____	EDD: <input type="checkbox"/> Y <input type="checkbox"/> N
E-Mail Address: _____	Standard Level II: _____
	Level III: _____
	Level IV: _____

Sample Receipt	Turn Around Request
Temperature: AMT's _____	Same Day _____ 3 Business Days _____
Sample Seals Intact: Yes _____ No REPO	1 Business Day _____ 4 Business Days _____
Sample Seals Intact: Yes _____ No _____	2 Business Days _____ <input checked="" type="checkbox"/> 5 Business Days (Standard)
Total # of Samples: _____	Rushes are subject to availability. (Surcharges apply)



550-141915 Chain of Custody

Analysis Method(s)/Analyte(s)

TVOCs
Benzene

Sample Information												
Lab # Internal Use Only	Media Type: Filter, Passive Badge, Tube or Wipe	Pump ID Number	Flow Rate (Liters/minute)	Sample Identification Name/Number	Collection Date	Start Time	Stop Time	Total Minutes Sampled (Badge Only)	Total Volume (Liters)	Area Wiped in cm2	Sampling Temperature (°C)	Sampling Pressure (mmHg)
-01			0.2	PSK-SVE	4/22/20	924	1009	50	10.0			
			0.2	PSK-SVE-A	4/22/20	1230	1310	50	9.0			
-02			0.2	PSK-SVE-BZ	4/30/20	1230	1320	50	10.0			
-03			0.2	PSK-SVE-A	4/30/20	1325	1415	50	10.0			
-04			0.2	PSK-SVE-C	5/6/20	1021	1111	50	10.0			

Instructions / Special Requirements:

Date: 5/19/2020	Time: 1100	Samples Relinquished By: Zach Watson	Received By: _____
Date: 5/6/20	Time: 1245	Samples Relinquished By: _____	Received By: _____
Date: 5-8-20	Time: 1000	Samples Relinquished By: _____	Received By: _____

Services are performed subject to the Terms & Conditions on the reverse side.

TAPHX

TAL-8225 (0414)



Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 550-141915-1

SDG Number: 25216050

Login Number: 141915

List Number: 1

Creator: Gravlin, Andrea

List Source: Eurofins TestAmerica, Phoenix

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

ANALYTICAL REPORT

Eurofins TestAmerica, Phoenix
4625 East Cotton Ctr Blvd
Suite 189
Phoenix, AZ 85040
Tel: (602)437-3340

Laboratory Job ID: 550-142986-1
Laboratory Sample Delivery Group: 25216050.01
Client Project/Site: PSK SVE System

For:
SCS Engineers
2830 Dairy Drive
Madison, Wisconsin 53718-6751

Attn: Keith Gilkey



Authorized for release by:
6/10/2020 5:05:24 PM

Carlene McCutcheon, Project Manager II
(602)659-7612
carlene.mccutcheon@testamericainc.com

LINKS

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results through
TotalAccess

Have a Question?



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www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



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Definitions/Glossary

Client: SCS Engineers
Project/Site: PSK SVE System

Job ID: 550-142986-1
SDG: 25216050.01

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: SCS Engineers
Project/Site: PSK SVE System

Job ID: 550-142986-1
SDG: 25216050.01

Job ID: 550-142986-1

Laboratory: Eurofins TestAmerica, Phoenix

Narrative

Job Narrative 550-142986-1

Comments

No additional comments.

Receipt

The samples were received on 6/3/2020 9:30 AM; the samples arrived in good condition.

Industrial Hygiene

Methods 1500 Back, 1500 Front: The initial calibration verification (ICV) result for batch 550-212180 was above the upper control limit. Sample results were non-detects, and have been reported as qualified data.

Methods 1500 Back, 1500 Front: The method blank associated with preparation batch 550-212132 and 550-212133 and analytical batch 550-212180 did not contain any target analytes at or above reporting limit (RL). Blank correction was not performed on the QC samples or client's sample(s).

Methods 1501 Back, 1501 Front: The method blank associated with preparation batch 550-211976 and 550-211977 and analytical batch 550-211983 did not contain any target analytes at or above reporting limit (RL). Blank correction was not performed on the QC samples or client's sample(s).

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



Sample Summary

Client: SCS Engineers
Project/Site: PSK SVE System

Job ID: 550-142986-1
SDG: 25216050.01

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
550-142986-1	PSK-SVE-060120	Air	06/01/20 00:00	06/03/20 09:30	
550-142986-2	PSK-SVE-060120	Air	06/01/20 00:00	06/03/20 09:30	

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Detection Summary

Client: SCS Engineers
Project/Site: PSK SVE System

Job ID: 550-142986-1
SDG: 25216050.01

Client Sample ID: PSK-SVE-060120

Lab Sample ID: 550-142986-1

No Detections.

Client Sample ID: PSK-SVE-060120

Lab Sample ID: 550-142986-2

No Detections.

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This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Phoenix

Client Sample Results

Client: SCS Engineers
Project/Site: PSK SVE System

Job ID: 550-142986-1
SDG: 25216050.01

Client Sample ID: PSK-SVE-060120

Lab Sample ID: 550-142986-1

Date Collected: 06/01/20 00:00

Matrix: Air

Date Received: 06/03/20 09:30

Sample Air Volume: 10.0 L

Sample Container: IH - Coconut Shell Charcoal Tube, 800 mg

Method: PE-IHD-001, Bk - NIOSH Method 1500

Analyte	Result ug/Sample	Result mg/m3	Result ppm	Qualifier	RL ug/Sample	Prepared	Analyzed	Dil Fac
Total VOC as Hexane	<19.0	<1.90	<0.538		19.0	06/09/20 06:47	06/09/20 12:18	1

Method: PE-IHD-001, Ft - NIOSH Method 1500

Analyte	Result ug/Sample	Result mg/m3	Result ppm	Qualifier	RL ug/Sample	Prepared	Analyzed	Dil Fac
Total VOC as Hexane	<19.0	<1.90	<0.538		19.0	06/09/20 06:47	06/09/20 12:35	1

Method: PE-IHD-001 - NIOSH Method 1500

Analyte	Result ug/Sample	Result mg/m3	Result ppm	Qualifier	RL ug/Sample	Prepared	Analyzed	Dil Fac
Total VOC as Hexane	<19.0	<1.90	<0.538		19.0		06/09/20 18:25	1

Client Sample ID: PSK-SVE-060120

Lab Sample ID: 550-142986-2

Date Collected: 06/01/20 00:00

Matrix: Air

Date Received: 06/03/20 09:30

Sample Air Volume: 10.0 L

Sample Container: IH - Coconut Shell Charcoal Tube, 150 mg

Method: PE-IHD-001, Bk - NIOSH Method 1501

Analyte	Result ug/Sample	Result mg/m3	Result ppm	Qualifier	RL ug/Sample	Prepared	Analyzed	Dil Fac
Benzene	<3.76	<0.376	<0.118		3.76	06/05/20 09:09	06/05/20 12:12	1

Method: PE-IHD-001, Ft - NIOSH Method 1501

Analyte	Result ug/Sample	Result mg/m3	Result ppm	Qualifier	RL ug/Sample	Prepared	Analyzed	Dil Fac
Benzene	<3.76	<0.376	<0.118		3.76	06/05/20 09:09	06/05/20 12:38	1

Method: PE-IHD-001 - NIOSH Method 1501

Analyte	Result ug/Sample	Result mg/m3	Result ppm	Qualifier	RL ug/Sample	Prepared	Analyzed	Dil Fac
Benzene	<3.76	<0.376	<0.118		3.76		06/09/20 17:45	1

QC Sample Results

Client: SCS Engineers
Project/Site: PSK SVE System

Job ID: 550-142986-1
SDG: 25216050.01

Method: PE-IHD-001, Bk - NIOSH Method 1500

Lab Sample ID: MB 550-212132/1-A
Matrix: Air
Analysis Batch: 212180

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 212132

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total VOC as Hexane	<19.0		19.0	ug/Sample		06/09/20 06:47	06/09/20 11:13	1

Method: PE-IHD-001, Bk - NIOSH Method 1501

Lab Sample ID: MB 550-211976/1-A
Matrix: Air
Analysis Batch: 211983

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 211976

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<3.76		3.76	ug/Sample		06/05/20 09:09	06/05/20 10:23	1

Method: PE-IHD-001, Ft - NIOSH Method 1500

Lab Sample ID: MB 550-212133/1-A
Matrix: Air
Analysis Batch: 212180

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 212133

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total VOC as Hexane	<19.0		19.0	ug/Sample		06/09/20 06:47	06/09/20 11:29	1

Lab Sample ID: LCS 550-212133/3-A
Matrix: Air
Analysis Batch: 212180

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 212133
%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Total VOC as Hexane	49.8	54.34		ug/Sample		109	62 - 145

Lab Sample ID: LCSD 550-212133/4-A
Matrix: Air
Analysis Batch: 212180

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 212133
%Rec.

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Total VOC as Hexane	49.8	47.91		ug/Sample		96	62 - 145	13	30

Method: PE-IHD-001, Ft - NIOSH Method 1501

Lab Sample ID: MB 550-211977/1-A
Matrix: Air
Analysis Batch: 211983

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 211977

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<3.76		3.76	ug/Sample		06/05/20 09:09	06/05/20 10:50	1

Lab Sample ID: LCS 550-211977/3-A
Matrix: Air
Analysis Batch: 211983

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 211977
%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Benzene	8.80	9.433		ug/Sample		107	82 - 131

Eurofins TestAmerica, Phoenix

QC Sample Results

Client: SCS Engineers
Project/Site: PSK SVE System

Job ID: 550-142986-1
SDG: 25216050.01

Method: PE-IHD-001, Ft - NIOSH Method 1501 (Continued)

Lab Sample ID: LCSD 550-211977/4-A
Matrix: Air
Analysis Batch: 211983

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 211977

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	8.80	9.630		ug/Sample		109	82 - 131	2	30

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QC Association Summary

Client: SCS Engineers
Project/Site: PSK SVE System

Job ID: 550-142986-1
SDG: 25216050.01

IH - GC VOA

Prep Batch: 211976

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-142986-2	PSK-SVE-060120	Total/NA	Air	Tube prep/Back	
MB 550-211976/1-A	Method Blank	Total/NA	Air	Tube prep/Back	

Prep Batch: 211977

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-142986-2	PSK-SVE-060120	Total/NA	Air	Tube prep/Front	
MB 550-211977/1-A	Method Blank	Total/NA	Air	Tube prep/Front	
LCS 550-211977/3-A	Lab Control Sample	Total/NA	Air	Tube prep/Front	
LCSD 550-211977/4-A	Lab Control Sample Dup	Total/NA	Air	Tube prep/Front	

Analysis Batch: 211983

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-142986-2	PSK-SVE-060120	Total/NA	Air	PE-IHD-001, Bk	211976
550-142986-2	PSK-SVE-060120	Total/NA	Air	PE-IHD-001, Ft	211977
MB 550-211976/1-A	Method Blank	Total/NA	Air	PE-IHD-001, Bk	211976
MB 550-211977/1-A	Method Blank	Total/NA	Air	PE-IHD-001, Ft	211977
LCS 550-211977/3-A	Lab Control Sample	Total/NA	Air	PE-IHD-001, Ft	211977
LCSD 550-211977/4-A	Lab Control Sample Dup	Total/NA	Air	PE-IHD-001, Ft	211977

Prep Batch: 212132

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-142986-1	PSK-SVE-060120	Total/NA	Air	Tube prep/Back	
MB 550-212132/1-A	Method Blank	Total/NA	Air	Tube prep/Back	

Prep Batch: 212133

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-142986-1	PSK-SVE-060120	Total/NA	Air	Tube prep/Front	
MB 550-212133/1-A	Method Blank	Total/NA	Air	Tube prep/Front	
LCS 550-212133/3-A	Lab Control Sample	Total/NA	Air	Tube prep/Front	
LCSD 550-212133/4-A	Lab Control Sample Dup	Total/NA	Air	Tube prep/Front	

Analysis Batch: 212180

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-142986-1	PSK-SVE-060120	Total/NA	Air	PE-IHD-001, Bk	212132
550-142986-1	PSK-SVE-060120	Total/NA	Air	PE-IHD-001, Ft	212133
MB 550-212132/1-A	Method Blank	Total/NA	Air	PE-IHD-001, Bk	212132
MB 550-212133/1-A	Method Blank	Total/NA	Air	PE-IHD-001, Ft	212133
LCS 550-212133/3-A	Lab Control Sample	Total/NA	Air	PE-IHD-001, Ft	212133
LCSD 550-212133/4-A	Lab Control Sample Dup	Total/NA	Air	PE-IHD-001, Ft	212133

Analysis Batch: 212228

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-142986-2	PSK-SVE-060120	Total/NA	Air	PE-IHD-001	

Analysis Batch: 212232

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-142986-1	PSK-SVE-060120	Total/NA	Air	PE-IHD-001	

Lab Chronicle

Client: SCS Engineers
Project/Site: PSK SVE System

Job ID: 550-142986-1
SDG: 25216050.01

Client Sample ID: PSK-SVE-060120

Lab Sample ID: 550-142986-1

Date Collected: 06/01/20 00:00

Matrix: Air

Date Received: 06/03/20 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	PE-IHD-001		1	212232	06/09/20 18:25	KJS	TAL PHX
Total/NA	Prep	Tube prep/Back			212132	06/09/20 06:47	ZN1	TAL PHX
Total/NA	Analysis	PE-IHD-001, Bk		1	212180	06/09/20 12:18	ZN1	TAL PHX
Total/NA	Prep	Tube prep/Front			212133	06/09/20 06:47	ZN1	TAL PHX
Total/NA	Analysis	PE-IHD-001, Ft		1	212180	06/09/20 12:35	ZN1	TAL PHX

Client Sample ID: PSK-SVE-060120

Lab Sample ID: 550-142986-2

Date Collected: 06/01/20 00:00

Matrix: Air

Date Received: 06/03/20 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	PE-IHD-001		1	212228	06/09/20 17:45	SLS	TAL PHX
Total/NA	Prep	Tube prep/Back			211976	06/05/20 09:09	ZN1	TAL PHX
Total/NA	Analysis	PE-IHD-001, Bk		1	211983	06/05/20 12:12	ZN1	TAL PHX
Total/NA	Prep	Tube prep/Front			211977	06/05/20 09:09	ZN1	TAL PHX
Total/NA	Analysis	PE-IHD-001, Ft		1	211983	06/05/20 12:38	ZN1	TAL PHX

Laboratory References:

TAL PHX = Eurofins TestAmerica, Phoenix, 4625 East Cotton Ctr Blvd, Suite 189, Phoenix, AZ 85040, TEL (602)437-3340

Accreditation/Certification Summary

Client: SCS Engineers
Project/Site: PSK SVE System

Job ID: 550-142986-1
SDG: 25216050.01

Laboratory: Eurofins TestAmerica, Phoenix

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
AIHA-LAP, LLC	Industrial Hygiene Laboratory Accreditation Program (IHLAP)	154268	10-01-21

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Method Summary

Client: SCS Engineers
Project/Site: PSK SVE System

Job ID: 550-142986-1
SDG: 25216050.01

Method	Method Description	Protocol	Laboratory
PE-IHD-001	NIOSH Method 1500	NIOSH	TAL PHX
PE-IHD-001	NIOSH Method 1501	NIOSH	TAL PHX
PE-IHD-001, Bk	NIOSH Method 1500	NIOSH	TAL PHX
PE-IHD-001, Bk	NIOSH Method 1501	NIOSH	TAL PHX
PE-IHD-001, Ft	NIOSH Method 1500	NIOSH	TAL PHX
PE-IHD-001, Ft	NIOSH Method 1501	NIOSH	TAL PHX
Tube prep/Back	Preparation, Air Sampling Tube	NIOSH	TAL PHX
Tube prep/Front	Preparation, Air Sampling Tube	NIOSH	TAL PHX

Protocol References:

NIOSH = NIOSH Manual Of Analytical Methods, National Institute For Occupational Safety And Health, 4th Edition, August 1994 and it's Supplements

Laboratory References:

TAL PHX = Eurofins TestAmerica, Phoenix, 4625 East Cotton Ctr Blvd, Suite 189, Phoenix, AZ 85040, TEL (602)437-3340

Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 550-142986-1

SDG Number: 25216050.01

Login Number: 142986

List Number: 1

Creator: Maycock, Lisa

List Source: Eurofins TestAmerica, Phoenix

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

