EGLE-RRD-DetroitEDM

From: Lab <lab@fibertec.us>

Sent: Tuesday, February 22, 2022 4:01 PM

To: Vens, Beth (EGLE); doug.saigh@woodplc.com; benjamin.hockstad@woodplc.com

Subject: EGLE - State Overflow: Van Dyke Ave 3650200103; (A06777) Lab Results **Attachments:** A06777 Laboratory Report (Standard with Surrogate).pdf; A06777_COC.pdf

CAUTION: This is an External email. Please send suspicious emails to abuse@michigan.gov

Dear Beth,

Thank you for choosing Fibertec Environmental Services for your analytical needs. Attached is the laboratory report for your recently requested analysis.

Fibertec retains all soil and water samples for 30 days. If you would like your samples returned, please contact us.

Please note that Fibertec's hold policy for TO-15 samples has changed. TO-15 samples will be disposed of 7 calendar days past the report date unless arrangements are made for extended storage.

Kind Regards,

Suzie Ricketts

Client Service Representative

Fibertec Environmental Services

1914 Holloway Drive Holt, MI 48842 517-699-0345

The Choice of Environmental Professionals since 1987



Tuesday, February 22, 2022

Fibertec Project Number: A06777

Project Identification: Van Dyke Ave (3650200103) /3650200103

Submittal Date: 02/03/2022

Ms. Beth Vens

EGLE - State Overflow

Invoice sent to:

525 W. Allegan St., Constitution Hall-3N

Lansing, MI 48909

Dear Ms. Vens,

Thank you for selecting Fibertec Environmental Services as your analytical laboratory. The samples you submitted have been analyzed in accordance with NELAC standards and the results compiled in the attached report. Any exceptions to NELAC compliance are noted in the report. These results apply only to those samples submitted. Please note TO-15 samples will be disposed of 7 calendar days after the reporting date. All other samples will be disposed of 30 days after the reporting date.

In regards to this project, Van Dyke Ave (3650200103), the file number is 731/20138.AGY. The contract order number is Y20153. Our permanent ISD number is 00869. The Location Code is 7G71

If you have any questions regarding these results or if we may be of further assistance to you, please contact me at (517) 699-0345.

Sincerely,

By Sue Ricketts at 3:59 PM, Feb 22, 2022

For Daryl P. Strandbergh Laboratory Director

Enclosures



Order: A06777 Page: 2 of 10 Date: 02/22/22

Client Identification: EGLE - State Overflow Sample Description: SWP-1 Chain of Custody: 208631

Client Project Name: **Van Dyke Ave (3650200103)** Sample No: **3128** Collect Date: **01/27/22**

Client Project No: 3650200103 Sample Matrix: Air Collect Time: 18:20

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

TO-15 (Bottle-Vac)

Aliquot ID: A06777-001 Matrix: Air

Method: EPA TO-15

Description: SWP-1

Preparation Analysis Parameter(s) Result O Units Reporting Limit Dilution P. Date P. Batch A. Date A. Batch Init 1. Acrylonitrile U µg/m3 11 4.0 02/21/22 VQ22B21B 02/22/22 01:17 VQ22B21B ANB 2 Benzene U ua/m3 19 4.0 02/21/22 VQ22B21B 02/22/22 01:17 VQ22B21B ANB 3. Bromodichloromethane U 8.0 4.0 02/21/22 VQ22B21B 02/22/22 01:17 VQ22B21B ANB μg/m3 U 4 Bromoform 62 4 0 02/21/22 VQ22B21B 02/22/22 01:17 VQ22B21B ANB μg/m3 5. Bromomethane U 23 4.0 02/21/22 VQ22B21B 02/22/22 01:17 VQ22B21B ANB μg/m3 U 02/21/22 VQ22B21B 02/22/22 01:17 VQ22B21B ANB 6.1.3-Butadiene μg/m3 27 40 7.2-Butanone U µg/m3 35 4.0 02/21/22 VQ22B21B 02/22/22 01:17 VQ22B21B ANB 8. n-Butylbenzene U 5.5 02/21/22 VQ22B21B 02/22/22 01:17 VQ22B21B ANB μg/m3 40 U 02/21/22 9. sec-Butylbenzene μg/m3 1.6 4 0 VQ22B21B 02/22/22 01:17 VQ22B21B ANB U 7.5 02/21/22 VQ22B21B 02/22/22 01:17 VQ22B21B ANB 10. Carbon Tetrachloride μg/m3 40 11. Chlorobenzene U 28 4.0 02/21/22 VQ22B21B 02/22/22 01:17 VQ22B21B ANB μg/m3 12. Chloroethane U µg/m3 16 4.0 02/21/22 VQ22B21B 02/22/22 01:17 VQ22B21B ANB 13. Chloroform U 5.9 4.0 02/21/22 VQ22B21B 02/22/22 01:17 VQ22B21B ANB ua/m3 14. Chloromethane U 12 4.0 02/21/22 VQ22B21B 02/22/22 01:17 VQ22B21B ANB ua/m3 02/21/22 VQ22B21B 02/22/22 01:17 VQ22B21B ANB 15. Cyclohexane u 41 4 0 µg/m3 16. Dibromochloromethane U 02/21/22 VQ22B21B 02/22/22 01:17 VQ22B21B ANB μg/m3 4.1 4.0 17.1.2-Dichlorobenzene U 36 4 0 02/21/22 VQ22B21B 02/22/22 01:17 VQ22B21B ANB µg/m3 U 02/21/22 VQ22B21B 02/22/22 01:17 VQ22B21B ANB 18. 1.3-Dichlorobenzene µg/m3 36 4.0 19.1,4-Dichlorobenzene U 36 4 0 02/21/22 VQ22B21B 02/22/22 01:17 VQ22B21B ANB μg/m3 U 20. Dichlorodifluoromethane 30 4 0 02/21/22 VQ22B21B 02/22/22 01:17 VQ22B21B ANB ua/m3 U 21.1,1-Dichloroethane 24 4.0 02/21/22 VQ22B21B 02/22/22 01:17 VQ22B21B ANB μg/m3 22.1,2-Dichloroethane U μg/m3 4.9 4.0 02/21/22 VQ22B21B 02/22/22 01:17 VQ22B21B ANB U 23.1,1-Dichloroethene µg/m3 24 4.0 02/21/22 VQ22B21B 02/22/22 01:17 VQ22B21B ANB 24. cis-1,2-Dichloroethene U 24 4.0 02/21/22 VQ22B21B 02/22/22 01:17 VQ22B21B ANB иа/т3 25. trans-1,2-Dichloroethene U μg/m3 24 4.0 02/21/22 VQ22B21B 02/22/22 01:17 VQ22B21B ANB U 4.0 VQ22B21B 02/22/22 01:17 VQ22B21B ANB 26. 1.2-Dichloropropane 28 02/21/22 ug/m3 27. cis-1,3-Dichloropropene U ug/m3 27 4.0 02/21/22 VQ22B21B 02/22/22 01:17 VQ22B21B ANB 28. trans-1,3-Dichloropropene U 27 4.0 02/21/22 VQ22B21B 02/22/22 01:17 VQ22B21B ANB μg/m3 29. Ethylbenzene U 52 4.0 02/21/22 VQ22B21B 02/22/22 01:17 VQ22B21B ANB µg/m3 30. Ethylene Dibromide U 0.92 4.0 02/21/22 VQ22B21B 02/22/22 01:17 VQ22B21B ANB μg/m3 U 4.0 31. n-Hexane μg/m3 42 02/21/22 VQ22B21B 02/22/22 01:17 VQ22B21B ANB U ‡ 32.2-Hexanone μg/m3 49 4 0 02/21/22 VQ22B21B 02/22/22 01:17 VQ22B21B ANB 33. Isopropylbenzene U 29 4.0 02/21/22 VQ22B21B 02/22/22 01:17 VQ22B21B ug/m3 U 34. Methylene Chloride µg/m3 42 4.0 02/21/22 VQ22B21B 02/22/22 01:17 VQ22B21B ANB ‡ 35. 2-Methylnaphthalene U 140 4.0 02/21/22 VQ22B21B 02/22/22 01:17 VQ22B21B ANB иа/т3 36. MTBE U μg/m3 22 4.0 02/21/22 VQ22B21B 02/22/22 01:17 VQ22B21B ANB ‡ 37. Naphthalene U 19 4.0 02/21/22 VQ22B21B 02/22/22 01:17 VQ22B21B ANB μg/m3

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Order: A06777
Page: 3 of 10
Date: 02/22/22

18:20

Collect Time:

Client Identification: EGLE - State Overflow Sample Description: SWP-1 Chain of Custody: 208631

Client Project Name: Van Dyke Ave (3650200103) Sample No: 3128 Collect Date: 01/27/22

Air

Client Project No:

Sample Comments:

3650200103

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Sample Matrix:

TO-15 (Bottle-Vac)		Aliquot ID: A06777-001 Matrix: Air							
Method: EPA TO-15			De	scription:	SWP-1				
					Prepa	aration	An	alysis	
Parameter(s)	Result	Q Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
‡ 38.n-Propylbenzene	U	μg/m3	1.5	4.0	02/21/22	VQ22B21B	02/22/22 01:17	VQ22B21B	ANB
39. Styrene	U	μg/m3	51	4.0	02/21/22	VQ22B21B	02/22/22 01:17	VQ22B21B	ANB
40.1,1,2,2-Tetrachloroethane	U	μg/m3	3.3	4.0	02/21/22	VQ22B21B	02/22/22 01:17	VQ22B21B	ANB
41. Tetrachloroethene	U	μg/m3	41	4.0	02/21/22	VQ22B21B	02/22/22 01:17	VQ22B21B	ANB
42. Toluene	U	μg/m3	23	4.0	02/21/22	VQ22B21B	02/22/22 01:17	VQ22B21B	ANB
‡ 43.1,2,3-Trichlorobenzene	U	μg/m3	7.4	4.0	02/21/22	VQ22B21B	02/22/22 01:17	VQ22B21B	ANB
44.1,2,4-Trichlorobenzene	U	μg/m3	89	4.0	02/21/22	VQ22B21B	02/22/22 01:17	VQ22B21B	ANB
45. 1,1,1-Trichloroethane	U	μg/m3	33	4.0	02/21/22	VQ22B21B	02/22/22 01:17	VQ22B21B	ANB
46. 1,1,2-Trichloroethane	U	μg/m3	6.5	4.0	02/21/22	VQ22B21B	02/22/22 01:17	VQ22B21B	ANB
47. Trichloroethene	U	μg/m3	1.6	4.0	02/21/22	VQ22B21B	02/22/22 01:17	VQ22B21B	ANB
48. Trichlorofluoromethane	U	μg/m3	34	4.0	02/21/22	VQ22B21B	02/22/22 01:17	VQ22B21B	ANB
‡ 49.1,2,3-Trimethylbenzene	U	μg/m3	1.5	4.0	02/21/22	VQ22B21B	02/22/22 01:17	VQ22B21B	ANB
50.1,2,4-Trimethylbenzene	U	μg/m3	29	4.0	02/21/22	VQ22B21B	02/22/22 01:17	VQ22B21B	ANB
51.1,3,5-Trimethylbenzene	U	μg/m3	29	4.0	02/21/22	VQ22B21B	02/22/22 01:17	VQ22B21B	ANB
52. 2,2,4-Trimethylpentane	U	μg/m3	1.4	4.0	02/21/22	VQ22B21B	02/22/22 01:17	VQ22B21B	ANB
53. Vinyl Chloride	U	μg/m3	15	4.0	02/21/22	VQ22B21B	02/22/22 01:17	VQ22B21B	ANB
54. m&p-Xylene	U	μg/m3	52	4.0	02/21/22	VQ22B21B	02/22/22 01:17	VQ22B21B	ANB
55. o-Xylene	U	μg/m3	52	4.0	02/21/22	VQ22B21B	02/22/22 01:17	VQ22B21B	ANB
‡ 56. Xylenes	U	μg/m3	100	4.0	02/21/22	VQ22B21B	02/22/22 01:17	VQ22B21B	ANB



Order: A06777
Page: 4 of 10
Date: 02/22/22

Client Identification: EGLE - State Overflow Sample Description: SWP-7 Chain of Custody: 208631

Client Project Name: Van Dyke Ave (3650200103) Sample No: 4113 Collect Date: 01/27/22

Client Project No: 3650200103 Sample Matrix: Air Collect Time: 18:31

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

TO-15 (Bottle-Vac)

Aliquot ID: A06777-002 Matrix: Air

Method: EPA TO-15

Description: SWP-7

Preparation Analysis Parameter(s) Result O Units Reporting Limit Dilution P. Date P. Batch A. Date A. Batch Init 1. Acrylonitrile U µg/m3 11 4.0 02/21/22 VQ22B21B 02/22/22 02:06 VQ22B21B ANB 2 Benzene U ua/m3 19 4.0 02/21/22 VQ22B21B 02/22/22 02:06 VQ22B21B ANB 3. Bromodichloromethane 43 8.0 4.0 02/21/22 VQ22B21B 02/22/22 02:06 VQ22B21B ANB $\mu g/m3$ U 4 Bromoform 62 4 0 02/21/22 VQ22B21B 02/22/22 02:06 VQ22B21B ANB μg/m3 5. Bromomethane U 23 4.0 02/21/22 VQ22B21B 02/22/22 02:06 VQ22B21B ANB μg/m3 U 02/21/22 VQ22B21B 02/22/22 02:06 VQ22B21B ANB 6.1.3-Butadiene μg/m3 27 40 7.2-Butanone U µg/m3 35 4.0 02/21/22 VQ22B21B 02/22/22 02:06 VQ22B21B ANB 8. n-Butylbenzene U 5.5 02/21/22 VQ22B21B 02/22/22 02:06 VQ22B21B ANB μg/m3 40 U 02/21/22 VQ22B21B 02/22/22 02:06 VQ22B21B ANB 9. sec-Butylbenzene μg/m3 1.6 4 0 U 7.5 02/21/22 VQ22B21B 02/22/22 02:06 VQ22B21B ANB 10. Carbon Tetrachloride μg/m3 4.0 U 11. Chlorobenzene 28 4.0 02/21/22 VQ22B21B 02/22/22 02:06 VQ22B21B ANB $\mu g/m3$ 12. Chloroethane U µg/m3 16 4.0 02/21/22 VQ22B21B 02/22/22 02:06 VQ22B21B ANB 13. Chloroform 120 5.9 4.0 02/21/22 VQ22B21B 02/22/22 02:06 VQ22B21B ANB ua/m3 14. Chloromethane U 12 4.0 02/21/22 VQ22B21B 02/22/22 02:06 VQ22B21B ANB μg/m3 U 02/21/22 VQ22B21B 02/22/22 02:06 VQ22B21B ANB 15. Cyclohexane 41 4 0 µg/m3 16. Dibromochloromethane 7.8 02/21/22 VQ22B21B 02/22/22 02:06 VQ22B21B ANB μg/m3 4.1 4.0 U 17.1.2-Dichlorobenzene 36 4 0 02/21/22 VQ22B21B 02/22/22 02:06 VQ22B21B ANB µg/m3 U 02/21/22 VQ22B21B 02/22/22 02:06 VQ22B21B ANB 18. 1.3-Dichlorobenzene µg/m3 36 4.0 19.1,4-Dichlorobenzene U 36 4 0 02/21/22 VQ22B21B 02/22/22 02:06 VQ22B21B ANB μg/m3 U 20. Dichlorodifluoromethane 30 4 0 02/21/22 VQ22B21B 02/22/22 02:06 VQ22B21B ANB ua/m3 U 21.1,1-Dichloroethane 24 4.0 02/21/22 VQ22B21B 02/22/22 02:06 VQ22B21B ANB μg/m3 22.1,2-Dichloroethane U μg/m3 4.9 4.0 02/21/22 VQ22B21B 02/22/22 02:06 VQ22B21B ANB U VQ22B21B 02/22/22 02:06 VQ22B21B ANB 23.1,1-Dichloroethene µg/m3 24 4.0 02/21/22 24. cis-1,2-Dichloroethene 100 24 4.0 02/21/22 VQ22B21B 02/22/22 02:06 VQ22B21B ANB иа/т3 U 25. trans-1,2-Dichloroethene μg/m3 24 4.0 02/21/22 VQ22B21B 02/22/22 02:06 VQ22B21B ANB U 28 4.0 VQ22B21B 02/22/22 02:06 VQ22B21B ANB 26. 1.2-Dichloropropane 02/21/22 ug/m3 U 27. cis-1,3-Dichloropropene ug/m3 27 4.0 02/21/22 VQ22B21B 02/22/22 02:06 VQ22B21B ANB 28. trans-1,3-Dichloropropene U 27 4.0 02/21/22 VQ22B21B 02/22/22 02:06 VQ22B21B ANB μg/m3 29. Ethylbenzene U 52 4.0 02/21/22 VQ22B21B 02/22/22 02:06 VQ22B21B ANB µg/m3 30. Ethylene Dibromide U 0.92 4.0 02/21/22 VQ22B21B 02/22/22 02:06 VQ22B21B ANB μg/m3 U 42 4.0 31. n-Hexane μg/m3 02/21/22 VQ22B21B 02/22/22 02:06 VQ22B21B ANB U ‡ 32.2-Hexanone μg/m3 49 4 0 02/21/22 VQ22B21B 02/22/22 02:06 VQ22B21B ANB 33. Isopropylbenzene U 29 4.0 02/21/22 VQ22B21B 02/22/22 02:06 VQ22B21B ug/m3 U 34. Methylene Chloride µg/m3 42 4.0 02/21/22 VQ22B21B 02/22/22 02:06 VQ22B21B ANB ‡ 35. 2-Methylnaphthalene U 140 4.0 02/21/22 VQ22B21B 02/22/22 02:06 VQ22B21B ANB иа/т3 36. MTBE U μg/m3 22 4.0 02/21/22 VQ22B21B 02/22/22 02:06 VQ22B21B ANB ‡ 37. Naphthalene U 19 4.0 02/21/22 VQ22B21B 02/22/22 02:06 VQ22B21B ANB μg/m3

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Order: A06777 Page: 5 of 10 Date: 02/22/22

EGLE - State Overflow SWP-7 208631 Client Identification: Sample Description: Chain of Custody:

Van Dyke Ave (3650200103) Collect Date: 01/27/22 Client Project Name: Sample No: 4113

Client Project No: 3650200103 Sample Matrix: Air Collect Time: 18:31

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable #: Parameter not included in NELAC Scope of Analysis.

TO-15 (Bottle-Vac) Aliquot ID: A06777-002 Matrix: Air Method: EPA TO-15 Description: SWP-7

						Prepar	ation	Ana	alysis	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
‡ 38. n-Propylbenzene	U		μg/m3	1.5	4.0	02/21/22	VQ22B21B	02/22/22 02:06	VQ22B21B	ANB
39. Styrene	U		μg/m3	51	4.0	02/21/22	VQ22B21B	02/22/22 02:06	VQ22B21B	ANB
40.1,1,2,2-Tetrachloroethane	U		μg/m3	3.3	4.0	02/21/22	VQ22B21B	02/22/22 02:06	VQ22B21B	ANB
41. Tetrachloroethene	U		μg/m3	41	4.0	02/21/22	VQ22B21B	02/22/22 02:06	VQ22B21B	ANB
42. Toluene	U		μg/m3	23	4.0	02/21/22	VQ22B21B	02/22/22 02:06	VQ22B21B	ANB
‡ 43.1,2,3-Trichlorobenzene	U		μg/m3	7.4	4.0	02/21/22	VQ22B21B	02/22/22 02:06	VQ22B21B	ANB
44.1,2,4-Trichlorobenzene	U		μg/m3	89	4.0	02/21/22	VQ22B21B	02/22/22 02:06	VQ22B21B	ANB
45.1,1,1-Trichloroethane	U		μg/m3	33	4.0	02/21/22	VQ22B21B	02/22/22 02:06	VQ22B21B	ANB
46.1,1,2-Trichloroethane	U		μg/m3	6.5	4.0	02/21/22	VQ22B21B	02/22/22 02:06	VQ22B21B	ANB
47. Trichloroethene	3.0		μg/m3	1.6	4.0	02/21/22	VQ22B21B	02/22/22 02:06	VQ22B21B	ANB
48. Trichlorofluoromethane	U		μg/m3	34	4.0	02/21/22	VQ22B21B	02/22/22 02:06	VQ22B21B	ANB
‡ 49.1,2,3-Trimethylbenzene	U		μg/m3	1.5	4.0	02/21/22	VQ22B21B	02/22/22 02:06	VQ22B21B	ANB
50.1,2,4-Trimethylbenzene	U		μg/m3	29	4.0	02/21/22	VQ22B21B	02/22/22 02:06	VQ22B21B	ANB
51.1,3,5-Trimethylbenzene	U		μg/m3	29	4.0	02/21/22	VQ22B21B	02/22/22 02:06	VQ22B21B	ANB
‡ 52.2,2,4-Trimethylpentane	U		μg/m3	1.4	4.0	02/21/22	VQ22B21B	02/22/22 02:06	VQ22B21B	ANB
53. Vinyl Chloride	U		μg/m3	15	4.0	02/21/22	VQ22B21B	02/22/22 02:06	VQ22B21B	ANB
54. m&p-Xylene	U		μg/m3	52	4.0	02/21/22	VQ22B21B	02/22/22 02:06	VQ22B21B	ANB
55. o-Xylene	U		μg/m3	52	4.0	02/21/22	VQ22B21B	02/22/22 02:06	VQ22B21B	ANB
‡ 56. Xylenes	U		μg/m3	100	4.0	02/21/22	VQ22B21B	02/22/22 02:06	VQ22B21B	ANB



Order: A06777
Page: 6 of 10
Date: 02/22/22

Client Identification: EGLE - State Overflow Sample Description: SWP-4 Chain of Custody: 208631

Client Project Name: **Van Dyke Ave (3650200103)** Sample No: **3672** Collect Date: **01/27/22**

Client Project No: 3650200103 Sample Matrix: Air Collect Time: 18:40

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

TO-15 (Bottle-Vac)

Aliquot ID: A06777-003 Matrix: Air

Method: EPA TO-15

Description: SWP-4

						Prepara			alysis	
Parameter(s)	Result	Q Ur	its I	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init
1. Acrylonitrile	U	μg	m3	11	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	AN
2. Benzene	U	μg	m3	19	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	AN
3. Bromodichloromethane	13	μg	m3	8.0	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	AN
4. Bromoform	U	μg	m3	62	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	AN
5. Bromomethane	U	μg	m3	23	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	AN
6.1,3-Butadiene	U	μg	m3	2.7	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	AN
7.2-Butanone	U	μд	m3	35	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	AN
8. n-Butylbenzene	U	μg	m3	5.5	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	AN
9. sec-Butylbenzene	U	μg	m3	1.6	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	AN
10. Carbon Tetrachloride	U	μg	m3	7.5	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	AN
11. Chlorobenzene	U	μg	m3	28	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	AN
12. Chloroethane	U	μg	m3	16	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	AN
13. Chloroform	34	μg	m3	5.9	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	AN
14. Chloromethane	U	μg	m3	12	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	AN
15. Cyclohexane	U	μg	m3	41	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	AN
16. Dibromochloromethane	U	μg	m3	4.1	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	A١
17.1,2-Dichlorobenzene	U	μg	m3	36	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	A١
18.1,3-Dichlorobenzene	U	μg	m3	36	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	ΑN
19.1,4-Dichlorobenzene	U	μg	m3	36	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	AN
20. Dichlorodifluoromethane	U	μg	m3	30	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	ΑN
21.1,1-Dichloroethane	U	μg	m3	24	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	ΑN
22.1,2-Dichloroethane	U	μg	m3	4.9	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	A١
23. 1,1-Dichloroethene	U	μg	m3	24	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	A١
24. cis-1,2-Dichloroethene	U	μg	m3	24	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	A١
25. trans-1,2-Dichloroethene	U	μg	m3	24	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	A١
26.1,2-Dichloropropane	U	μg	m3	28	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	A١
27. cis-1,3-Dichloropropene	U	μg	m3	27	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	A١
28. trans-1,3-Dichloropropene	U	μg	m3	27	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	A١
29. Ethylbenzene	U	μg	m3	52	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	A١
30. Ethylene Dibromide	U	μg	m3	0.92	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	A١
31. n-Hexane	U	μg	m3	42	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	A١
32.2-Hexanone	U	μg	m3	49	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	A١
33. Isopropylbenzene	U	μg	m3	29	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	A١
34. Methylene Chloride	U	μg	m3	42	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	A١
35. 2-Methylnaphthalene	U	μg,		140	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	A١
36. MTBE	U	μg,		22	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	A١
37. Naphthalene	U	μд		19	4.0	02/21/22		02/22/22 02:54		

1914 Holloway Drive 11766 E. Grand River 8660 S. Mackinaw Trail Holt, MI 48842 Brighton, MI 48116 Cadillac, MI 49601 T: (517) 699-0345 T: (810) 220-3300 T: (231) 775-8368



Order: A06777
Page: 7 of 10
Date: 02/22/22

Client Identification: EGLE - State Overflow Sample Description: SWP-4 Chain of Custody: 208631

 Client Project Name:
 Van Dyke Ave (3650200103)
 Sample No:
 3672
 Collect Date:
 01/27/22

Client Project No: 3650200103 Sample Matrix: Air Collect Time: 18:40

Sample Comments:

55. o-Xylene

‡ 56. Xylenes

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

TO-15 (Bottle-Vac) Aliquot ID: A06777-003 Matrix: Air Method: EPA TO-15 Description: SWP-4 Preparation Analysis P. Date Parameter(s) Result O Units Reporting Limit Dilution P. Batch A. Date A. Batch Init. ‡ 38. n-Propylbenzene U µg/m3 1.5 4.0 02/21/22 VQ22B21B 02/22/22 02:54 VQ22B21B ANB 39. Styrene U μg/m3 51 4.0 02/21/22 VQ22B21B 02/22/22 02:54 VQ22B21B ANB 40.1,1,2,2-Tetrachloroethane U μg/m3 3.3 4.0 02/21/22 VQ22B21B 02/22/22 02:54 VQ22B21B ANB U 02/21/22 VQ22B21B 02/22/22 02:54 VQ22B21B ANB 41 Tetrachloroethene 41 4 0 μg/m3 42. Toluene U 23 4.0 02/21/22 VQ22B21B 02/22/22 02:54 VQ22B21B ANB μg/m3 ‡ 43.1,2,3-Trichlorobenzene VQ22B21B 02/22/22 02:54 VQ22B21B ANB u 4 0 02/21/22 μg/m3 7.4 44. 1,2,4-Trichlorobenzene U µg/m3 89 4.0 02/21/22 VQ22B21B 02/22/22 02:54 VQ22B21B ANB 45.1,1,1-Trichloroethane U 33 4.0 02/21/22 VQ22B21B 02/22/22 02:54 VQ22B21B ANB μg/m3 U VQ22B21B 02/22/22 02:54 VQ22B21B ANB 46.1,1,2-Trichloroethane 6.5 4.0 02/21/22 μg/m3 U 02/21/22 VQ22B21B 02/22/22 02:54 VQ22B21B ANB 47. Trichloroethene $\mu g/m3$ 1.6 4.0 U 48. Trichlorofluoromethane 34 4.0 02/21/22 VQ22B21B 02/22/22 02:54 VQ22B21B ANB μg/m3 49. 1,2,3-Trimethylbenzene U µg/m3 1.5 4.0 02/21/22 VQ22B21B 02/22/22 02:54 VQ22B21B ANB U 4.0 02/21/22 VQ22B21B 02/22/22 02:54 VQ22B21B ANB 50. 1,2,4-Trimethylbenzene μg/m3 29 VQ22B21B 02/22/22 02:54 VQ22B21B ANB 51.1,3,5-Trimethylbenzene U 29 4.0 02/21/22 $\mu g/m3$ U 02/21/22 ‡ 52.2,2,4-Trimethylpentane 4 0 VQ22B21B 02/22/22 02:54 VQ22B21B ANB 14 µg/m3 53. Vinyl Chloride U 15 4.0 02/21/22 VQ22B21B 02/22/22 02:54 VQ22B21B ANB μg/m3 U 54. m&p-Xylene 52 40 02/21/22 VQ22B21B 02/22/22 02:54 VQ22B21B ANB μg/m3

52

100

4.0

40

02/21/22

02/21/22

U

U

µg/m3

 $\mu g/m3$

RSN: A06777-220222155359

VQ22B21B 02/22/22 02:54 VQ22B21B ANB

VQ22B21B 02/22/22 02:54 VQ22B21B ANB



Order: A06777
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Date: 02/22/22

Client Identification: EGLE - State Overflow Sample Description: SWP-5 Chain of Custody: 208631

 Client Project Name:
 Van Dyke Ave (3650200103)
 Sample No:
 2800
 Collect Date:
 01/27/22

Client Project No: 3650200103 Sample Matrix: Air Collect Time: 18:55

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

TO-15 (Bottle-Vac)

Aliquot ID: A06777-004 Matrix: Air

Method: EPA TO-15

Description: SWP-5

						Prepa			alysis	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init
‡ 1. Acrylonitrile	U		μg/m3	11	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	ANI
2. Benzene	U		μg/m3	19	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	ANI
3. Bromodichloromethane	9.4		μg/m3	8.0	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	ANI
4. Bromoform	U		μg/m3	62	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	ANI
5. Bromomethane	U		μg/m3	23	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	ANI
6.1,3-Butadiene	U		μg/m3	2.7	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	ΑN
7.2-Butanone	U		μg/m3	35	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	ΑN
8. n-Butylbenzene	U		μg/m3	5.5	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	ΑN
9. sec-Butylbenzene	U		μg/m3	1.6	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	AN
10. Carbon Tetrachloride	U		μg/m3	7.5	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	ΑN
11. Chlorobenzene	U		μg/m3	28	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	AN
12. Chloroethane	U		μg/m3	16	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	ΑN
13. Chloroform	25		μg/m3	5.9	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	AN
14. Chloromethane	U		μg/m3	12	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	ΑN
15. Cyclohexane	U		μg/m3	41	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	AN
16. Dibromochloromethane	U		μg/m3	4.1	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	ΑN
17. 1,2-Dichlorobenzene	U		μg/m3	36	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	ΑN
18.1,3-Dichlorobenzene	U		μg/m3	36	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	ΑN
19.1,4-Dichlorobenzene	U		μg/m3	36	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	AN
20. Dichlorodifluoromethane	U		μg/m3	30	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	ΑN
21.1,1-Dichloroethane	U		μg/m3	24	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	AN
22.1,2-Dichloroethane	U		μg/m3	4.9	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	A١
23.1,1-Dichloroethene	U		μg/m3	24	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	ΑN
24. cis-1,2-Dichloroethene	U		μg/m3	24	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	ΑN
25. trans-1,2-Dichloroethene	U		μg/m3	24	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	AN
26. 1,2-Dichloropropane	U		μg/m3	28	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	ΑN
27. cis-1,3-Dichloropropene	U		μg/m3	27	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	ΑN
28. trans-1,3-Dichloropropene	U		μg/m3	27	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	ΑN
29. Ethylbenzene	U		μg/m3	52	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	ΑN
30. Ethylene Dibromide	U		μg/m3	0.92	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	ΑN
31. n-Hexane	U		μg/m3	42	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	A١
32.2-Hexanone	U		μg/m3	49	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	A١
33. Isopropylbenzene	U		μg/m3	29	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	ΑN
34. Methylene Chloride	U		μg/m3	42	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	A١
35.2-Methylnaphthalene	U		μg/m3	140	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	ΑN
36.MTBE	U		μg/m3	22	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	ΑN
37. Naphthalene	U		μg/m3	19	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	AN
			, 0							

1914 Holloway Drive 11766 E. Grand River 8660 S. Mackinaw Trail Holt, MI 48842 Brighton, MI 48116 Cadillac, MI 49601 T: (517) 699-0345 T: (810) 220-3300 T: (231) 775-8368



Order: A06777
Page: 9 of 10
Date: 02/22/22

Client Identification: EGLE - State Overflow Sample Description: SWP-5 Chain of Custody: 208631

Client Project Name: Van Dyke Ave (3650200103) Sample No: 2800 Collect Date: 01/27/22

Client Project No: 3650200103 Sample Matrix: Air Collect Time: 18:55

Sample Comments:

55. o-Xylene

‡ 56. Xylenes

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

TO-15 (Bottle-Vac) Aliquot ID: A06777-004 Matrix: Air Method: EPA TO-15 Description: SWP-5 Preparation Analysis P. Date Parameter(s) Result O Units Reporting Limit Dilution P. Batch A. Date A. Batch Init. ‡ 38. n-Propylbenzene U µg/m3 1.5 4.0 02/21/22 VQ22B21B 02/22/22 03:43 VQ22B21B ANB 39. Styrene U μg/m3 51 4.0 02/21/22 VQ22B21B 02/22/22 03:43 VQ22B21B ANB 40.1,1,2,2-Tetrachloroethane U μg/m3 3.3 4.0 02/21/22 VQ22B21B 02/22/22 03:43 VQ22B21B ANB U 02/21/22 VQ22B21B 02/22/22 03:43 VQ22B21B ANB 41 Tetrachloroethene 41 4 0 μg/m3 42. Toluene U 23 4.0 02/21/22 VQ22B21B 02/22/22 03:43 VQ22B21B ANB μg/m3 ‡ 43.1,2,3-Trichlorobenzene u 4 0 02/21/22 VQ22B21B 02/22/22 03:43 VQ22B21B ANB μg/m3 74 44. 1,2,4-Trichlorobenzene U µg/m3 89 4.0 02/21/22 VQ22B21B 02/22/22 03:43 VQ22B21B ANB 45.1,1,1-Trichloroethane U 33 4.0 02/21/22 VQ22B21B 02/22/22 03:43 VQ22B21B ANB μg/m3 U VQ22B21B 02/22/22 03:43 VQ22B21B ANB 46.1,1,2-Trichloroethane 6.5 4.0 02/21/22 μg/m3 U 02/21/22 VQ22B21B 02/22/22 03:43 VQ22B21B ANB 47. Trichloroethene $\mu g/m3$ 1.6 4.0 U 48. Trichlorofluoromethane 34 4.0 02/21/22 VQ22B21B 02/22/22 03:43 VQ22B21B ANB μg/m3 49. 1,2,3-Trimethylbenzene U µg/m3 1.5 4.0 02/21/22 VQ22B21B 02/22/22 03:43 VQ22B21B ANB U 4.0 02/21/22 VQ22B21B 02/22/22 03:43 VQ22B21B ANB 50. 1,2,4-Trimethylbenzene μg/m3 29 51.1,3,5-Trimethylbenzene U 29 4.0 02/21/22 VQ22B21B 02/22/22 03:43 VQ22B21B ANB $\mu g/m3$ U 02/21/22 ‡ 52.2,2,4-Trimethylpentane 4 0 VQ22B21B 02/22/22 03:43 VQ22B21B ANB 14 µg/m3 53. Vinyl Chloride U 15 4.0 02/21/22 VQ22B21B 02/22/22 03:43 VQ22B21B ANB μg/m3 U 54. m&p-Xylene 52 40 02/21/22 VQ22B21B 02/22/22 03:43 VQ22B21B ANB μg/m3

52

100

4.0

40

02/21/22

02/21/22

U

U

µg/m3

 $\mu g/m3$

RSN: A06777-220222155359

VQ22B21B 02/22/22 03:43 VQ22B21B ANB

VQ22B21B 02/22/22 03:43 VQ22B21B ANB



Analytical Laboratory Report Laboratory Project Number: A06777

Order: A06777
Page: 10 of 10
Date: 02/22/22

Definitions/ Qualifiers:

- **A:** Spike recovery or precision unusable due to dilution.
- **B:** The analyte was detected in the associated method blank.
- E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
- J: The concentration is an estimated value.
- M: Modified Method
- **U:** The analyte was not detected at or above the reporting limit.
- X: Matrix Interference has resulted in a raised reporting limit or distorted result.
- W: Results reported on a wet-weight basis.
- *: Value reported is outside QC limits
- **D:** The sample or extract was analyzed at a DF greater than 1.

Exception Summary:

Analysis Locations:

All analyses performed in Holt.



Accreditation Number(s):

T104704518-19-8 (TX)

Fibertec environmental services

Analytical Laboratory

1914 Holloway Drive Holf, MI 48842

Phone: 517 699 0345 Fax: 517 699 0388 email: lab@flbertec.us 8660 S. Mackinaw Trail Cadillac, MI 49601 Phone: 231 775 8368 Fax: 231 775 8584

Geoprobe

11766 E. Grand River Rd. Brighton, MI 48116 Phone: 810 220 3300

Fax: 810 220 3311

Chain of Custody # 208631 PAGE / of /

Client Name: AMEC Engineering & Consultin	2				PARAM	TERS			Matrix Code Deliverables			
Client Name: AMEC Engineering & Consulting Contact Person: Podey Saigh Project Name/ Number: Van Ryke 3650,200103 Email distribution list: day, Saigh @roalple.Com Vensbania-hockstad Quote# Purchase Order# Date Time Sample # Client Sample Descriptor 1-27 1830 GWP-1 1-27 1840 GWP-7 1-27 1855 GWP-5	A A MATRIX (SEE RIGHT CORNER FOR CODE)	# OF CONTAINERS	21-01-X-X-X-X-X-X-X-X-X-X-X-X-X-X-X-X-X-X	1	I ANAME	ILNO		HOLD SAMPLE	S Soil GW Ground Water A Air SW Surface Water O Oil WW Waste Water P Wipe X Other; Specify Remarks: Cantle 3 3/38 4/1/3 3672 2800			
									Received By Lab			
									FEB 0 3 2022			
	\vdash							T	(ortials:			
Comments:						1						
Sampled/Relinquished By: Relinquished By:	7.	/ Tim	-20	2 17:05		edBy;	borator		Shart 2/3/22 10:30			
Relinguished By:	Dyne	17/	e		Recei	ved By L	boratory	J				
<u>Turnaround Time</u> ALL RESULTS WILL BE SENT BY THE END OF	THE B	USINE	SS D	AY	-1	LAB USE ONLY						
1 bus. day2 bus. days3 bus. days	4 bus, days				nd cor	Fibertec project number: ACC 777 Temperature upon receipt at Lab: ROOM TEMP						