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

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

Fibertec
environmental
services

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

Fibertec environmental services

Analytical Laboratory Report
Laboratory Project Number: A06777
Laboratory Sample Number: A06777-001

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**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis 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		µg/m3	19	4.0	02/21/22	VQ22B21B	02/22/22 01:17	VQ22B21B	ANB
3. Bromodichloromethane	U		µg/m3	8.0	4.0	02/21/22	VQ22B21B	02/22/22 01:17	VQ22B21B	ANB
4. Bromoform	U		µg/m3	62	4.0	02/21/22	VQ22B21B	02/22/22 01:17	VQ22B21B	ANB
5. Bromomethane	U		µg/m3	23	4.0	02/21/22	VQ22B21B	02/22/22 01:17	VQ22B21B	ANB
6. 1,3-Butadiene	U		µg/m3	2.7	4.0	02/21/22	VQ22B21B	02/22/22 01:17	VQ22B21B	ANB
7. 2-Butanone	U		µg/m3	35	4.0	02/21/22	VQ22B21B	02/22/22 01:17	VQ22B21B	ANB
‡ 8. n-Butylbenzene	U		µg/m3	5.5	4.0	02/21/22	VQ22B21B	02/22/22 01:17	VQ22B21B	ANB
‡ 9. sec-Butylbenzene	U		µg/m3	1.6	4.0	02/21/22	VQ22B21B	02/22/22 01:17	VQ22B21B	ANB
10. Carbon Tetrachloride	U		µg/m3	7.5	4.0	02/21/22	VQ22B21B	02/22/22 01:17	VQ22B21B	ANB
11. Chlorobenzene	U		µg/m3	28	4.0	02/21/22	VQ22B21B	02/22/22 01:17	VQ22B21B	ANB
12. Chloroethane	U		µg/m3	16	4.0	02/21/22	VQ22B21B	02/22/22 01:17	VQ22B21B	ANB
13. Chloroform	U		µg/m3	5.9	4.0	02/21/22	VQ22B21B	02/22/22 01:17	VQ22B21B	ANB
14. Chloromethane	U		µg/m3	12	4.0	02/21/22	VQ22B21B	02/22/22 01:17	VQ22B21B	ANB
15. Cyclohexane	U		µg/m3	41	4.0	02/21/22	VQ22B21B	02/22/22 01:17	VQ22B21B	ANB
16. Dibromochloromethane	U		µg/m3	4.1	4.0	02/21/22	VQ22B21B	02/22/22 01:17	VQ22B21B	ANB
17. 1,2-Dichlorobenzene	U		µg/m3	36	4.0	02/21/22	VQ22B21B	02/22/22 01:17	VQ22B21B	ANB
18. 1,3-Dichlorobenzene	U		µg/m3	36	4.0	02/21/22	VQ22B21B	02/22/22 01:17	VQ22B21B	ANB
19. 1,4-Dichlorobenzene	U		µg/m3	36	4.0	02/21/22	VQ22B21B	02/22/22 01:17	VQ22B21B	ANB
20. Dichlorodifluoromethane	U		µg/m3	30	4.0	02/21/22	VQ22B21B	02/22/22 01:17	VQ22B21B	ANB
21. 1,1-Dichloroethane	U		µg/m3	24	4.0	02/21/22	VQ22B21B	02/22/22 01:17	VQ22B21B	ANB
22. 1,2-Dichloroethane	U		µg/m3	4.9	4.0	02/21/22	VQ22B21B	02/22/22 01:17	VQ22B21B	ANB
23. 1,1-Dichloroethene	U		µg/m3	24	4.0	02/21/22	VQ22B21B	02/22/22 01:17	VQ22B21B	ANB
24. cis-1,2-Dichloroethene	U		µg/m3	24	4.0	02/21/22	VQ22B21B	02/22/22 01:17	VQ22B21B	ANB
25. trans-1,2-Dichloroethene	U		µg/m3	24	4.0	02/21/22	VQ22B21B	02/22/22 01:17	VQ22B21B	ANB
26. 1,2-Dichloropropane	U		µg/m3	28	4.0	02/21/22	VQ22B21B	02/22/22 01:17	VQ22B21B	ANB
27. cis-1,3-Dichloropropene	U		µg/m3	27	4.0	02/21/22	VQ22B21B	02/22/22 01:17	VQ22B21B	ANB
28. trans-1,3-Dichloropropene	U		µg/m3	27	4.0	02/21/22	VQ22B21B	02/22/22 01:17	VQ22B21B	ANB
29. Ethylbenzene	U		µg/m3	52	4.0	02/21/22	VQ22B21B	02/22/22 01:17	VQ22B21B	ANB
30. Ethylene Dibromide	U		µg/m3	0.92	4.0	02/21/22	VQ22B21B	02/22/22 01:17	VQ22B21B	ANB
31. n-Hexane	U		µg/m3	42	4.0	02/21/22	VQ22B21B	02/22/22 01:17	VQ22B21B	ANB
‡ 32. 2-Hexanone	U		µg/m3	49	4.0	02/21/22	VQ22B21B	02/22/22 01:17	VQ22B21B	ANB
‡ 33. Isopropylbenzene	U		µg/m3	29	4.0	02/21/22	VQ22B21B	02/22/22 01:17	VQ22B21B	ANB
34. Methylene Chloride	U		µg/m3	42	4.0	02/21/22	VQ22B21B	02/22/22 01:17	VQ22B21B	ANB
‡ 35. 2-Methylnaphthalene	U		µg/m3	140	4.0	02/21/22	VQ22B21B	02/22/22 01:17	VQ22B21B	ANB
36. MTBE	U		µg/m3	22	4.0	02/21/22	VQ22B21B	02/22/22 01:17	VQ22B21B	ANB
‡ 37. Naphthalene	U		µg/m3	19	4.0	02/21/22	VQ22B21B	02/22/22 01:17	VQ22B21B	ANB

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**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis 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

Fibertec environmental services

Analytical Laboratory Report
Laboratory Project Number: A06777
Laboratory Sample Number: A06777-002

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**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis 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		µg/m3	19	4.0	02/21/22	VQ22B21B	02/22/22 02:06	VQ22B21B	ANB
3. Bromodichloromethane	**43**		µg/m3	8.0	4.0	02/21/22	VQ22B21B	02/22/22 02:06	VQ22B21B	ANB
4. Bromoform	U		µg/m3	62	4.0	02/21/22	VQ22B21B	02/22/22 02:06	VQ22B21B	ANB
5. Bromomethane	U		µg/m3	23	4.0	02/21/22	VQ22B21B	02/22/22 02:06	VQ22B21B	ANB
6. 1,3-Butadiene	U		µg/m3	2.7	4.0	02/21/22	VQ22B21B	02/22/22 02:06	VQ22B21B	ANB
7. 2-Butanone	U		µg/m3	35	4.0	02/21/22	VQ22B21B	02/22/22 02:06	VQ22B21B	ANB
‡ 8. n-Butylbenzene	U		µg/m3	5.5	4.0	02/21/22	VQ22B21B	02/22/22 02:06	VQ22B21B	ANB
‡ 9. sec-Butylbenzene	U		µg/m3	1.6	4.0	02/21/22	VQ22B21B	02/22/22 02:06	VQ22B21B	ANB
10. Carbon Tetrachloride	U		µg/m3	7.5	4.0	02/21/22	VQ22B21B	02/22/22 02:06	VQ22B21B	ANB
11. Chlorobenzene	U		µg/m3	28	4.0	02/21/22	VQ22B21B	02/22/22 02:06	VQ22B21B	ANB
12. Chloroethane	U		µg/m3	16	4.0	02/21/22	VQ22B21B	02/22/22 02:06	VQ22B21B	ANB
13. Chloroform	**120**		µg/m3	5.9	4.0	02/21/22	VQ22B21B	02/22/22 02:06	VQ22B21B	ANB
14. Chloromethane	U		µg/m3	12	4.0	02/21/22	VQ22B21B	02/22/22 02:06	VQ22B21B	ANB
15. Cyclohexane	U		µg/m3	41	4.0	02/21/22	VQ22B21B	02/22/22 02:06	VQ22B21B	ANB
16. Dibromochloromethane	**7.8**		µg/m3	4.1	4.0	02/21/22	VQ22B21B	02/22/22 02:06	VQ22B21B	ANB
17. 1,2-Dichlorobenzene	U		µg/m3	36	4.0	02/21/22	VQ22B21B	02/22/22 02:06	VQ22B21B	ANB
18. 1,3-Dichlorobenzene	U		µg/m3	36	4.0	02/21/22	VQ22B21B	02/22/22 02:06	VQ22B21B	ANB
19. 1,4-Dichlorobenzene	U		µg/m3	36	4.0	02/21/22	VQ22B21B	02/22/22 02:06	VQ22B21B	ANB
20. Dichlorodifluoromethane	U		µg/m3	30	4.0	02/21/22	VQ22B21B	02/22/22 02:06	VQ22B21B	ANB
21. 1,1-Dichloroethane	U		µg/m3	24	4.0	02/21/22	VQ22B21B	02/22/22 02:06	VQ22B21B	ANB
22. 1,2-Dichloroethane	U		µg/m3	4.9	4.0	02/21/22	VQ22B21B	02/22/22 02:06	VQ22B21B	ANB
23. 1,1-Dichloroethene	U		µg/m3	24	4.0	02/21/22	VQ22B21B	02/22/22 02:06	VQ22B21B	ANB
24. cis-1,2-Dichloroethene	**100**		µg/m3	24	4.0	02/21/22	VQ22B21B	02/22/22 02:06	VQ22B21B	ANB
25. trans-1,2-Dichloroethene	U		µg/m3	24	4.0	02/21/22	VQ22B21B	02/22/22 02:06	VQ22B21B	ANB
26. 1,2-Dichloropropane	U		µg/m3	28	4.0	02/21/22	VQ22B21B	02/22/22 02:06	VQ22B21B	ANB
27. cis-1,3-Dichloropropene	U		µg/m3	27	4.0	02/21/22	VQ22B21B	02/22/22 02:06	VQ22B21B	ANB
28. trans-1,3-Dichloropropene	U		µg/m3	27	4.0	02/21/22	VQ22B21B	02/22/22 02:06	VQ22B21B	ANB
29. Ethylbenzene	U		µg/m3	52	4.0	02/21/22	VQ22B21B	02/22/22 02:06	VQ22B21B	ANB
30. Ethylene Dibromide	U		µg/m3	0.92	4.0	02/21/22	VQ22B21B	02/22/22 02:06	VQ22B21B	ANB
31. n-Hexane	U		µg/m3	42	4.0	02/21/22	VQ22B21B	02/22/22 02:06	VQ22B21B	ANB
‡ 32. 2-Hexanone	U		µg/m3	49	4.0	02/21/22	VQ22B21B	02/22/22 02:06	VQ22B21B	ANB
‡ 33. Isopropylbenzene	U		µg/m3	29	4.0	02/21/22	VQ22B21B	02/22/22 02:06	VQ22B21B	ANB
34. Methylene Chloride	U		µg/m3	42	4.0	02/21/22	VQ22B21B	02/22/22 02:06	VQ22B21B	ANB
‡ 35. 2-Methylnaphthalene	U		µg/m3	140	4.0	02/21/22	VQ22B21B	02/22/22 02:06	VQ22B21B	ANB
36. MTBE	U		µg/m3	22	4.0	02/21/22	VQ22B21B	02/22/22 02:06	VQ22B21B	ANB
‡ 37. Naphthalene	U		µg/m3	19	4.0	02/21/22	VQ22B21B	02/22/22 02:06	VQ22B21B	ANB

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**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis 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

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**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Acrylonitrile	U		µg/m3	11	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	ANB
2. Benzene	U		µg/m3	19	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	ANB
3. Bromodichloromethane	**13**		µg/m3	8.0	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	ANB
4. Bromoform	U		µg/m3	62	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	ANB
5. Bromomethane	U		µg/m3	23	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	ANB
6. 1,3-Butadiene	U		µg/m3	2.7	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	ANB
7. 2-Butanone	U		µg/m3	35	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	ANB
‡ 8. n-Butylbenzene	U		µg/m3	5.5	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	ANB
‡ 9. sec-Butylbenzene	U		µg/m3	1.6	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	ANB
10. Carbon Tetrachloride	U		µg/m3	7.5	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	ANB
11. Chlorobenzene	U		µg/m3	28	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	ANB
12. Chloroethane	U		µg/m3	16	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	ANB
13. Chloroform	**34**		µg/m3	5.9	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	ANB
14. Chloromethane	U		µg/m3	12	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	ANB
15. Cyclohexane	U		µg/m3	41	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	ANB
16. Dibromochloromethane	U		µg/m3	4.1	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	ANB
17. 1,2-Dichlorobenzene	U		µg/m3	36	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	ANB
18. 1,3-Dichlorobenzene	U		µg/m3	36	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	ANB
19. 1,4-Dichlorobenzene	U		µg/m3	36	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	ANB
20. Dichlorodifluoromethane	U		µg/m3	30	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	ANB
21. 1,1-Dichloroethane	U		µg/m3	24	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	ANB
22. 1,2-Dichloroethane	U		µg/m3	4.9	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	ANB
23. 1,1-Dichloroethene	U		µg/m3	24	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	ANB
24. cis-1,2-Dichloroethene	U		µg/m3	24	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	ANB
25. trans-1,2-Dichloroethene	U		µg/m3	24	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	ANB
26. 1,2-Dichloropropane	U		µg/m3	28	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	ANB
27. cis-1,3-Dichloropropene	U		µg/m3	27	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	ANB
28. trans-1,3-Dichloropropene	U		µg/m3	27	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	ANB
29. Ethylbenzene	U		µg/m3	52	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	ANB
30. Ethylene Dibromide	U		µg/m3	0.92	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	ANB
31. n-Hexane	U		µg/m3	42	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	ANB
‡ 32. 2-Hexanone	U		µg/m3	49	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	ANB
‡ 33. Isopropylbenzene	U		µg/m3	29	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	ANB
34. Methylene Chloride	U		µg/m3	42	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	ANB
‡ 35. 2-Methylnaphthalene	U		µg/m3	140	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	ANB
36. MTBE	U		µg/m3	22	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	ANB
‡ 37. Naphthalene	U		µg/m3	19	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	ANB

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**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis 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
41. Tetrachloroethene	U		µg/m3	41	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	ANB
42. Toluene	U		µg/m3	23	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	ANB
‡ 43. 1,2,3-Trichlorobenzene	U		µg/m3	7.4	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	ANB
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		µg/m3	33	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	ANB
46. 1,1,2-Trichloroethane	U		µg/m3	6.5	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	ANB
47. Trichloroethene	U		µg/m3	1.6	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	ANB
48. Trichlorofluoromethane	U		µg/m3	34	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	ANB
‡ 49. 1,2,3-Trimethylbenzene	U		µg/m3	1.5	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	ANB
50. 1,2,4-Trimethylbenzene	U		µg/m3	29	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	ANB
51. 1,3,5-Trimethylbenzene	U		µg/m3	29	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	ANB
‡ 52. 2,2,4-Trimethylpentane	U		µg/m3	1.4	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	ANB
53. Vinyl Chloride	U		µg/m3	15	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	ANB
54. m&p-Xylene	U		µg/m3	52	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	ANB
55. o-Xylene	U		µg/m3	52	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	ANB
‡ 56. Xylenes	U		µg/m3	100	4.0	02/21/22	VQ22B21B	02/22/22 02:54	VQ22B21B	ANB

Fibertec environmental services

Analytical Laboratory Report
Laboratory Project Number: A06777
Laboratory Sample Number: A06777-004

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**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Acrylonitrile	U		µg/m3	11	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	ANB
2. Benzene	U		µg/m3	19	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	ANB
3. Bromodichloromethane	**9.4**		µg/m3	8.0	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	ANB
4. Bromoform	U		µg/m3	62	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	ANB
5. Bromomethane	U		µg/m3	23	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	ANB
6. 1,3-Butadiene	U		µg/m3	2.7	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	ANB
7. 2-Butanone	U		µg/m3	35	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	ANB
‡ 8. n-Butylbenzene	U		µg/m3	5.5	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	ANB
‡ 9. sec-Butylbenzene	U		µg/m3	1.6	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	ANB
10. Carbon Tetrachloride	U		µg/m3	7.5	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	ANB
11. Chlorobenzene	U		µg/m3	28	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	ANB
12. Chloroethane	U		µg/m3	16	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	ANB
13. Chloroform	**25**		µg/m3	5.9	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	ANB
14. Chloromethane	U		µg/m3	12	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	ANB
15. Cyclohexane	U		µg/m3	41	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	ANB
16. Dibromochloromethane	U		µg/m3	4.1	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	ANB
17. 1,2-Dichlorobenzene	U		µg/m3	36	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	ANB
18. 1,3-Dichlorobenzene	U		µg/m3	36	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	ANB
19. 1,4-Dichlorobenzene	U		µg/m3	36	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	ANB
20. Dichlorodifluoromethane	U		µg/m3	30	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	ANB
21. 1,1-Dichloroethane	U		µg/m3	24	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	ANB
22. 1,2-Dichloroethane	U		µg/m3	4.9	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	ANB
23. 1,1-Dichloroethene	U		µg/m3	24	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	ANB
24. cis-1,2-Dichloroethene	U		µg/m3	24	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	ANB
25. trans-1,2-Dichloroethene	U		µg/m3	24	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	ANB
26. 1,2-Dichloropropane	U		µg/m3	28	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	ANB
27. cis-1,3-Dichloropropene	U		µg/m3	27	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	ANB
28. trans-1,3-Dichloropropene	U		µg/m3	27	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	ANB
29. Ethylbenzene	U		µg/m3	52	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	ANB
30. Ethylene Dibromide	U		µg/m3	0.92	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	ANB
31. n-Hexane	U		µg/m3	42	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	ANB
‡ 32. 2-Hexanone	U		µg/m3	49	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	ANB
‡ 33. Isopropylbenzene	U		µg/m3	29	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	ANB
34. Methylene Chloride	U		µg/m3	42	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	ANB
‡ 35. 2-Methylnaphthalene	U		µg/m3	140	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	ANB
36. MTBE	U		µg/m3	22	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	ANB
‡ 37. Naphthalene	U		µg/m3	19	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	ANB

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**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis 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
41. Tetrachloroethene	U		µg/m3	41	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	ANB
42. Toluene	U		µg/m3	23	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	ANB
‡ 43. 1,2,3-Trichlorobenzene	U		µg/m3	7.4	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	ANB
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		µg/m3	33	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	ANB
46. 1,1,2-Trichloroethane	U		µg/m3	6.5	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	ANB
47. Trichloroethene	U		µg/m3	1.6	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	ANB
48. Trichlorofluoromethane	U		µg/m3	34	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	ANB
‡ 49. 1,2,3-Trimethylbenzene	U		µg/m3	1.5	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	ANB
50. 1,2,4-Trimethylbenzene	U		µg/m3	29	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	ANB
51. 1,3,5-Trimethylbenzene	U		µg/m3	29	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	ANB
‡ 52. 2,2,4-Trimethylpentane	U		µg/m3	1.4	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	ANB
53. Vinyl Chloride	U		µg/m3	15	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	ANB
54. m&p-Xylene	U		µg/m3	52	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	ANB
55. o-Xylene	U		µg/m3	52	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	ANB
‡ 56. Xylenes	U		µg/m3	100	4.0	02/21/22	VQ22B21B	02/22/22 03:43	VQ22B21B	ANB

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
Holt, MI 48842
Phone: 517 699 0345
Fax: 517 699 0388
email: lab@fibertec.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 1 of 1

Client Name: AMEC Engineering & Consulting
Contact Person: Doug Saigh
Project Name/ Number: Van Dyke 3650200103
Email distribution list: doug.saigh@woodplc.com vensb@michigan.gov benjamin.hockstad@woodplc.com
Quote#
Purchase Order#

Date	Time	Sample #	Client Sample Descriptor	MATRIX (SEE RIGHT CORNER FOR CODE)	# OF CONTAINERS	PARAMETERS: TO-15	HOLD SAMPLE	Remarks: Can #
1-27	1820		SWP-1	A	1	X		3128
1-27	1831		SWP-7	A	1	X		4113
1-27	1840		SWP-4	A	1	X		3672
1-27	1855		SWP-5	A	1	X		2809

Matrix Code: S Soil; A Air; O Oil; P Wipe; GW Ground Water; SW Surface Water; WW Waste Water; X Other: Specify

Deliverables: Level 2; Level 3; Level 4; EDD

Received By Lab
FEB 03 2022
Initials: [illegible]

Comments:

Sampled/Relinquished By: [illegible]	Date/ Time 2-2-2022	Received By: [illegible] 2/3/22 10:30
Relinquished By: [illegible]	Date/ Time 2/3/22 17:05	Received By: [illegible]
Relinquished By:	Date/ Time	Received By Laboratory:

Turnaround Time ALL RESULTS WILL BE SENT BY THE END OF THE BUSINESS DAY

_____1 bus. day _____2 bus. days _____3 bus. days _____4 bus. days

X 5-7 bus. days (standard) Other (specify time/date requirement): _____

LAB USE ONLY

Fibertec project number: A06777
Temperature upon receipt at Lab: Room Temp

Please see back for terms and conditions