

## EGLE-RRD-DetroitEDM

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**From:** Lab <lab@fibertec.us>  
**Sent:** Monday, July 18, 2022 3:31 PM  
**To:** Vens, Beth (EGLE); Noyce, Kyle; doug.saigh@woodplc.com; ian.cisco@woodplc.com  
**Subject:** EGLE - State Overflow: Van Dyke Ave 3650200103; (A09531) Lab Results  
**Attachments:** A09531 Laboratory Report (Standard with Surrogate).pdf; A09531\_COC.pdf

**CAUTION: This is an External email. Please send suspicious emails to [abuse@michigan.gov](mailto: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 will be disposed of 7 calendar days past the report date unless arrangements are made for extended storage.

**Due to an increase in demand, Fibertec's TO-15 analysis and bottle order processing capabilities are scaling up. In order to best serve all of our clients, we are implementing the following changes, effective March 1, 2022.**

- Standard turnaround time for TO-15 analysis will be 10-14 business days.
- Please note that projects requiring less than a 10-14 day turnaround time will be accepted on a VERY limited basis.
- TO-15 bottle orders will require a minimum 2-week notice to fill. (Bottle vacs, summa canisters, flow controllers, etc.)
- Tubing orders will require a minimum two-day notice. (Teflon or Masterflex)
- The fastest rush turnaround time that we can currently accommodate is three business days and increases based on project size.

Thank you for your continued support while we scale up production to match demand.

Kind Regards,

**Suzie Ricketts**  
Client Service Representative

**Fibertec Environmental Services**  
1914 Holloway Drive  
Holt, MI 48842

[sricketts@fibertec.us](mailto:sricketts@fibertec.us)

*[The Choice of Environmental Professionals since 1987](#)*



Monday, July 18, 2022

Fibertec Project Number: A09531  
Project Identification: Van Dyke Ave (3650200103) /3650200103  
Submittal Date: 07/01/2022

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:  
File No.: 761/20138.AGY  
Contract Order No.: Y20153  
Permanent ISD No.: 00869  
Location Code is: 7671

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 3:28 PM, Jul 18, 2022

For Daryl P. Strandbergh  
Laboratory Director

Enclosures

1914 Holloway Drive  
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F: (517) 699-0388  
F: (810) 220-3311  
F: (231) 775-8584

Client Identification:	<b>EGLE - State Overflow</b>	Sample Description:	<b>SWP-1</b>	Chain of Custody:	<b>202944</b>
Client Project Name:	<b>Van Dyke Ave (3650200103)</b>	Sample No:		Collect Date:	<b>06/29/22</b>
Client Project No:	<b>3650200103</b>	Sample Matrix:	<b>Air</b>	Collect Time:	<b>12:49</b>

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)**  
**Method: EPA TO-15**

**Aliquot ID: A09531-001**  
**Description: SWP-1**  
**Matrix: Air**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
‡ 1. Acrylonitrile	U		µg/m3	11	4.0	07/13/22	VN22G13A	07/14/22 03:32	VN22G13A	CM
2. Benzene	U		µg/m3	19	4.0	07/13/22	VN22G13A	07/14/22 03:32	VN22G13A	CM
3. Bromodichloromethane	U		µg/m3	8.0	4.0	07/13/22	VN22G13A	07/14/22 03:32	VN22G13A	CM
4. Bromoform	U		µg/m3	62	4.0	07/13/22	VN22G13A	07/14/22 03:32	VN22G13A	CM
5. Bromomethane	U		µg/m3	23	4.0	07/13/22	VN22G13A	07/14/22 03:32	VN22G13A	CM
6. 1,3-Butadiene	U		µg/m3	2.7	4.0	07/13/22	VN22G13A	07/14/22 03:32	VN22G13A	CM
7. 2-Butanone	U		µg/m3	35	4.0	07/13/22	VN22G13A	07/14/22 03:32	VN22G13A	CM
‡ 8. n-Butylbenzene	U		µg/m3	5.5	4.0	07/13/22	VN22G13A	07/14/22 03:32	VN22G13A	CM
‡ 9. sec-Butylbenzene	U		µg/m3	1.6	4.0	07/13/22	VN22G13A	07/14/22 03:32	VN22G13A	CM
10. Carbon Tetrachloride	U		µg/m3	7.5	4.0	07/13/22	VN22G13A	07/14/22 03:32	VN22G13A	CM
11. Chlorobenzene	U		µg/m3	28	4.0	07/13/22	VN22G13A	07/14/22 03:32	VN22G13A	CM
12. Chloroethane	U		µg/m3	16	4.0	07/13/22	VN22G13A	07/14/22 03:32	VN22G13A	CM
13. Chloroform	U		µg/m3	5.9	4.0	07/13/22	VN22G13A	07/14/22 03:32	VN22G13A	CM
14. Chloromethane	U		µg/m3	12	4.0	07/13/22	VN22G13A	07/14/22 03:32	VN22G13A	CM
15. Cyclohexane	U		µg/m3	41	4.0	07/13/22	VN22G13A	07/14/22 03:32	VN22G13A	CM
16. Dibromochloromethane	U		µg/m3	4.1	4.0	07/13/22	VN22G13A	07/14/22 03:32	VN22G13A	CM
17. 1,2-Dichlorobenzene	U		µg/m3	36	4.0	07/13/22	VN22G13A	07/14/22 03:32	VN22G13A	CM
18. 1,3-Dichlorobenzene	U		µg/m3	36	4.0	07/13/22	VN22G13A	07/14/22 03:32	VN22G13A	CM
19. 1,4-Dichlorobenzene	U		µg/m3	36	4.0	07/13/22	VN22G13A	07/14/22 03:32	VN22G13A	CM
20. Dichlorodifluoromethane	U		µg/m3	30	4.0	07/13/22	VN22G13A	07/14/22 03:32	VN22G13A	CM
21. 1,1-Dichloroethane	U		µg/m3	24	4.0	07/13/22	VN22G13A	07/14/22 03:32	VN22G13A	CM
22. 1,2-Dichloroethane	U		µg/m3	4.9	4.0	07/13/22	VN22G13A	07/14/22 03:32	VN22G13A	CM
23. 1,1-Dichloroethene	U		µg/m3	24	4.0	07/13/22	VN22G13A	07/14/22 03:32	VN22G13A	CM
24. cis-1,2-Dichloroethene	U		µg/m3	24	4.0	07/13/22	VN22G13A	07/14/22 03:32	VN22G13A	CM
25. trans-1,2-Dichloroethene	U		µg/m3	24	4.0	07/13/22	VN22G13A	07/14/22 03:32	VN22G13A	CM
26. 1,2-Dichloropropane	U		µg/m3	28	4.0	07/13/22	VN22G13A	07/14/22 03:32	VN22G13A	CM
27. cis-1,3-Dichloropropene	U		µg/m3	27	4.0	07/13/22	VN22G13A	07/14/22 03:32	VN22G13A	CM
28. trans-1,3-Dichloropropene	U		µg/m3	27	4.0	07/13/22	VN22G13A	07/14/22 03:32	VN22G13A	CM
29. Ethylbenzene	U		µg/m3	52	4.0	07/13/22	VN22G13A	07/14/22 03:32	VN22G13A	CM
30. Ethylene Dibromide	U		µg/m3	0.92	4.0	07/13/22	VN22G13A	07/14/22 03:32	VN22G13A	CM
31. n-Hexane	U		µg/m3	42	4.0	07/13/22	VN22G13A	07/14/22 03:32	VN22G13A	CM
‡ 32. 2-Hexanone	U		µg/m3	49	4.0	07/13/22	VN22G13A	07/14/22 03:32	VN22G13A	CM
‡ 33. Isopropylbenzene	U		µg/m3	29	4.0	07/13/22	VN22G13A	07/14/22 03:32	VN22G13A	CM
34. Methylene Chloride	U		µg/m3	42	4.0	07/13/22	VN22G13A	07/14/22 03:32	VN22G13A	CM
‡ 35. 2-Methylnaphthalene	U		µg/m3	140	4.0	07/13/22	VN22G13A	07/14/22 03:32	VN22G13A	CM
36. MTBE	U		µg/m3	22	4.0	07/13/22	VN22G13A	07/14/22 03:32	VN22G13A	CM
‡ 37. Naphthalene	U		µg/m3	19	4.0	07/13/22	VN22G13A	07/14/22 03:32	VN22G13A	CM

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Client Identification: <b>EGLE - State Overflow</b>	Sample Description: <b>SWP-1</b>	Chain of Custody: <b>202944</b>
Client Project Name: <b>Van Dyke Ave (3650200103)</b>	Sample No:	Collect Date: <b>06/29/22</b>
Client Project No: <b>3650200103</b>	Sample Matrix: <b>Air</b>	Collect Time: <b>12:49</b>

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)**  
**Method: EPA TO-15**

**Aliquot ID: A09531-001**  
**Description: SWP-1**  
**Matrix: Air**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
‡ 38. n-Propylbenzene	U		µg/m3	1.5	4.0	07/13/22	VN22G13A	07/14/22 03:32	VN22G13A	CM
39. Styrene	U		µg/m3	51	4.0	07/13/22	VN22G13A	07/14/22 03:32	VN22G13A	CM
40. 1,1,2,2-Tetrachloroethane	U		µg/m3	3.3	4.0	07/13/22	VN22G13A	07/14/22 03:32	VN22G13A	CM
41. Tetrachloroethene	U		µg/m3	41	4.0	07/13/22	VN22G13A	07/14/22 03:32	VN22G13A	CM
42. Toluene	U		µg/m3	23	4.0	07/13/22	VN22G13A	07/14/22 03:32	VN22G13A	CM
‡ 43. 1,2,3-Trichlorobenzene	U		µg/m3	7.4	4.0	07/13/22	VN22G13A	07/14/22 03:32	VN22G13A	CM
44. 1,2,4-Trichlorobenzene	U		µg/m3	89	4.0	07/13/22	VN22G13A	07/14/22 03:32	VN22G13A	CM
45. 1,1,1-Trichloroethane	U		µg/m3	33	4.0	07/13/22	VN22G13A	07/14/22 03:32	VN22G13A	CM
46. 1,1,2-Trichloroethane	U		µg/m3	6.5	4.0	07/13/22	VN22G13A	07/14/22 03:32	VN22G13A	CM
47. Trichloroethene	U		µg/m3	1.6	4.0	07/13/22	VN22G13A	07/14/22 03:32	VN22G13A	CM
48. Trichlorofluoromethane	U		µg/m3	34	4.0	07/13/22	VN22G13A	07/14/22 03:32	VN22G13A	CM
‡ 49. 1,2,3-Trimethylbenzene	U		µg/m3	1.5	4.0	07/13/22	VN22G13A	07/14/22 03:32	VN22G13A	CM
50. 1,2,4-Trimethylbenzene	U		µg/m3	29	4.0	07/13/22	VN22G13A	07/14/22 03:32	VN22G13A	CM
51. 1,3,5-Trimethylbenzene	U		µg/m3	29	4.0	07/13/22	VN22G13A	07/14/22 03:32	VN22G13A	CM
‡ 52. 2,2,4-Trimethylpentane	U		µg/m3	1.4	4.0	07/13/22	VN22G13A	07/14/22 03:32	VN22G13A	CM
53. Vinyl Chloride	U		µg/m3	15	4.0	07/13/22	VN22G13A	07/14/22 03:32	VN22G13A	CM
54. m&p-Xylene	U		µg/m3	52	4.0	07/13/22	VN22G13A	07/14/22 03:32	VN22G13A	CM
55. o-Xylene	U		µg/m3	52	4.0	07/13/22	VN22G13A	07/14/22 03:32	VN22G13A	CM
‡ 56. Xylenes	U		µg/m3	100	4.0	07/13/22	VN22G13A	07/14/22 03:32	VN22G13A	CM

**Surrogate Summary**

			<u>Control Limits</u>	<u>Instrument</u>	<u>Batch</u>	<u>Run Time</u>	<u>Column</u>	<u>Inst. Method</u>
4-Bromofluorobenzene(S)	<b>94</b>	%	80-120	VN	VN22G13A	7/14/2022 03:32	1	VN400

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F: (810) 220-3311  
F: (231) 775-8584

Client Identification:	<b>EGLE - State Overflow</b>	Sample Description:	<b>SWP-2</b>	Chain of Custody:	<b>202944</b>
Client Project Name:	<b>Van Dyke Ave (3650200103)</b>	Sample No:		Collect Date:	<b>06/29/22</b>
Client Project No:	<b>3650200103</b>	Sample Matrix:	<b>Air</b>	Collect Time:	<b>12:24</b>

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)**  
**Method: EPA TO-15**

**Aliquot ID: A09531-002**  
**Description: SWP-2**  
**Matrix: Air**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		Init.
						P. Date	P. Batch	A. Date	A. Batch	
‡ 1. Acrylonitrile	U		µg/m3	11	4.0	07/13/22	VN22G13A	07/14/22 04:26	VN22G13A	CM
2. Benzene	U		µg/m3	19	4.0	07/13/22	VN22G13A	07/14/22 04:26	VN22G13A	CM
3. Bromodichloromethane	U		µg/m3	8.0	4.0	07/13/22	VN22G13A	07/14/22 04:26	VN22G13A	CM
4. Bromoform	U		µg/m3	62	4.0	07/13/22	VN22G13A	07/14/22 04:26	VN22G13A	CM
5. Bromomethane	U		µg/m3	23	4.0	07/13/22	VN22G13A	07/14/22 04:26	VN22G13A	CM
6. 1,3-Butadiene	U		µg/m3	2.7	4.0	07/13/22	VN22G13A	07/14/22 04:26	VN22G13A	CM
7. 2-Butanone	U		µg/m3	35	4.0	07/13/22	VN22G13A	07/14/22 04:26	VN22G13A	CM
‡ 8. n-Butylbenzene	U		µg/m3	5.5	4.0	07/13/22	VN22G13A	07/14/22 04:26	VN22G13A	CM
‡ 9. sec-Butylbenzene	U		µg/m3	1.6	4.0	07/13/22	VN22G13A	07/14/22 04:26	VN22G13A	CM
10. Carbon Tetrachloride	U		µg/m3	7.5	4.0	07/13/22	VN22G13A	07/14/22 04:26	VN22G13A	CM
11. Chlorobenzene	U		µg/m3	28	4.0	07/13/22	VN22G13A	07/14/22 04:26	VN22G13A	CM
12. Chloroethane	U		µg/m3	16	4.0	07/13/22	VN22G13A	07/14/22 04:26	VN22G13A	CM
13. Chloroform	U		µg/m3	5.9	4.0	07/13/22	VN22G13A	07/14/22 04:26	VN22G13A	CM
14. Chloromethane	U		µg/m3	12	4.0	07/13/22	VN22G13A	07/14/22 04:26	VN22G13A	CM
15. Cyclohexane	U		µg/m3	41	4.0	07/13/22	VN22G13A	07/14/22 04:26	VN22G13A	CM
16. Dibromochloromethane	U		µg/m3	4.1	4.0	07/13/22	VN22G13A	07/14/22 04:26	VN22G13A	CM
17. 1,2-Dichlorobenzene	U		µg/m3	36	4.0	07/13/22	VN22G13A	07/14/22 04:26	VN22G13A	CM
18. 1,3-Dichlorobenzene	U		µg/m3	36	4.0	07/13/22	VN22G13A	07/14/22 04:26	VN22G13A	CM
19. 1,4-Dichlorobenzene	U		µg/m3	36	4.0	07/13/22	VN22G13A	07/14/22 04:26	VN22G13A	CM
20. Dichlorodifluoromethane	U		µg/m3	30	4.0	07/13/22	VN22G13A	07/14/22 04:26	VN22G13A	CM
21. 1,1-Dichloroethane	U		µg/m3	24	4.0	07/13/22	VN22G13A	07/14/22 04:26	VN22G13A	CM
22. 1,2-Dichloroethane	U		µg/m3	4.9	4.0	07/13/22	VN22G13A	07/14/22 04:26	VN22G13A	CM
23. 1,1-Dichloroethene	U		µg/m3	24	4.0	07/13/22	VN22G13A	07/14/22 04:26	VN22G13A	CM
24. cis-1,2-Dichloroethene	U		µg/m3	24	4.0	07/13/22	VN22G13A	07/14/22 04:26	VN22G13A	CM
25. trans-1,2-Dichloroethene	U		µg/m3	24	4.0	07/13/22	VN22G13A	07/14/22 04:26	VN22G13A	CM
26. 1,2-Dichloropropane	U		µg/m3	28	4.0	07/13/22	VN22G13A	07/14/22 04:26	VN22G13A	CM
27. cis-1,3-Dichloropropene	U		µg/m3	27	4.0	07/13/22	VN22G13A	07/14/22 04:26	VN22G13A	CM
28. trans-1,3-Dichloropropene	U		µg/m3	27	4.0	07/13/22	VN22G13A	07/14/22 04:26	VN22G13A	CM
29. Ethylbenzene	U		µg/m3	52	4.0	07/13/22	VN22G13A	07/14/22 04:26	VN22G13A	CM
30. Ethylene Dibromide	U		µg/m3	0.92	4.0	07/13/22	VN22G13A	07/14/22 04:26	VN22G13A	CM
31. n-Hexane	U		µg/m3	42	4.0	07/13/22	VN22G13A	07/14/22 04:26	VN22G13A	CM
‡ 32. 2-Hexanone	U		µg/m3	49	4.0	07/13/22	VN22G13A	07/14/22 04:26	VN22G13A	CM
‡ 33. Isopropylbenzene	U		µg/m3	29	4.0	07/13/22	VN22G13A	07/14/22 04:26	VN22G13A	CM
34. Methylene Chloride	U		µg/m3	42	4.0	07/13/22	VN22G13A	07/14/22 04:26	VN22G13A	CM
‡ 35. 2-Methylnaphthalene	U		µg/m3	140	4.0	07/13/22	VN22G13A	07/14/22 04:26	VN22G13A	CM
36. MTBE	U		µg/m3	22	4.0	07/13/22	VN22G13A	07/14/22 04:26	VN22G13A	CM
‡ 37. Naphthalene	U		µg/m3	19	4.0	07/13/22	VN22G13A	07/14/22 04:26	VN22G13A	CM

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Client Identification: <b>EGLE - State Overflow</b>	Sample Description: <b>SWP-2</b>	Chain of Custody: <b>202944</b>
Client Project Name: <b>Van Dyke Ave (3650200103)</b>	Sample No:	Collect Date: <b>06/29/22</b>
Client Project No: <b>3650200103</b>	Sample Matrix: <b>Air</b>	Collect Time: <b>12:24</b>

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)**  
**Method: EPA TO-15**

**Aliquot ID: A09531-002**  
**Description: SWP-2**  
**Matrix: Air**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
‡ 38. n-Propylbenzene	1.5		µg/m3	1.5	4.0	07/13/22	VN22G13A	07/14/22 04:26	VN22G13A	CM
39. Styrene	U		µg/m3	51	4.0	07/13/22	VN22G13A	07/14/22 04:26	VN22G13A	CM
40. 1,1,2,2-Tetrachloroethane	U		µg/m3	3.3	4.0	07/13/22	VN22G13A	07/14/22 04:26	VN22G13A	CM
41. Tetrachloroethene	U		µg/m3	41	4.0	07/13/22	VN22G13A	07/14/22 04:26	VN22G13A	CM
42. Toluene	U		µg/m3	23	4.0	07/13/22	VN22G13A	07/14/22 04:26	VN22G13A	CM
‡ 43. 1,2,3-Trichlorobenzene	U		µg/m3	7.4	4.0	07/13/22	VN22G13A	07/14/22 04:26	VN22G13A	CM
44. 1,2,4-Trichlorobenzene	U		µg/m3	89	4.0	07/13/22	VN22G13A	07/14/22 04:26	VN22G13A	CM
45. 1,1,1-Trichloroethane	U		µg/m3	33	4.0	07/13/22	VN22G13A	07/14/22 04:26	VN22G13A	CM
46. 1,1,2-Trichloroethane	U		µg/m3	6.5	4.0	07/13/22	VN22G13A	07/14/22 04:26	VN22G13A	CM
47. Trichloroethene	U		µg/m3	1.6	4.0	07/13/22	VN22G13A	07/14/22 04:26	VN22G13A	CM
48. Trichlorofluoromethane	U		µg/m3	34	4.0	07/13/22	VN22G13A	07/14/22 04:26	VN22G13A	CM
‡ 49. 1,2,3-Trimethylbenzene	U		µg/m3	1.5	4.0	07/13/22	VN22G13A	07/14/22 04:26	VN22G13A	CM
50. 1,2,4-Trimethylbenzene	U		µg/m3	29	4.0	07/13/22	VN22G13A	07/14/22 04:26	VN22G13A	CM
51. 1,3,5-Trimethylbenzene	U		µg/m3	29	4.0	07/13/22	VN22G13A	07/14/22 04:26	VN22G13A	CM
‡ 52. 2,2,4-Trimethylpentane	8.9		µg/m3	1.4	4.0	07/13/22	VN22G13A	07/14/22 04:26	VN22G13A	CM
53. Vinyl Chloride	U		µg/m3	15	4.0	07/13/22	VN22G13A	07/14/22 04:26	VN22G13A	CM
54. m&p-Xylene	U		µg/m3	52	4.0	07/13/22	VN22G13A	07/14/22 04:26	VN22G13A	CM
55. o-Xylene	U		µg/m3	52	4.0	07/13/22	VN22G13A	07/14/22 04:26	VN22G13A	CM
‡ 56. Xylenes	U		µg/m3	100	4.0	07/13/22	VN22G13A	07/14/22 04:26	VN22G13A	CM

**Surrogate Summary**

			<u>Control Limits</u>	<u>Instrument</u>	<u>Batch</u>	<u>Run Time</u>	<u>Column</u>	<u>Inst. Method</u>
4-Bromofluorobenzene(S)	95	%	80-120	VN	VN22G13A	7/14/2022 04:26	1	VN400

Client Identification: <b>EGLE - State Overflow</b>	Sample Description: <b>SWP-4</b>	Chain of Custody: <b>202944</b>
Client Project Name: <b>Van Dyke Ave (3650200103)</b>	Sample No:	Collect Date: <b>06/29/22</b>
Client Project No: <b>3650200103</b>	Sample Matrix: <b>Air</b>	Collect Time: <b>13:19</b>

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)**  
**Method: EPA TO-15**

**Aliquot ID: A09531-003**  
**Description: SWP-4**  
**Matrix: Air**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		Init.
						P. Date	P. Batch	A. Date	A. Batch	
‡ 1. Acrylonitrile	U		µg/m3	11	4.0	07/13/22	VN22G13A	07/14/22 05:20	VN22G13A	CM
2. Benzene	U		µg/m3	19	4.0	07/13/22	VN22G13A	07/14/22 05:20	VN22G13A	CM
3. Bromodichloromethane	U		µg/m3	8.0	4.0	07/13/22	VN22G13A	07/14/22 05:20	VN22G13A	CM
4. Bromoform	U		µg/m3	62	4.0	07/13/22	VN22G13A	07/14/22 05:20	VN22G13A	CM
5. Bromomethane	U		µg/m3	23	4.0	07/13/22	VN22G13A	07/14/22 05:20	VN22G13A	CM
6. 1,3-Butadiene	U		µg/m3	2.7	4.0	07/13/22	VN22G13A	07/14/22 05:20	VN22G13A	CM
7. 2-Butanone	U		µg/m3	35	4.0	07/13/22	VN22G13A	07/14/22 05:20	VN22G13A	CM
‡ 8. n-Butylbenzene	U		µg/m3	5.5	4.0	07/13/22	VN22G13A	07/14/22 05:20	VN22G13A	CM
‡ 9. sec-Butylbenzene	U		µg/m3	1.6	4.0	07/13/22	VN22G13A	07/14/22 05:20	VN22G13A	CM
10. Carbon Tetrachloride	U		µg/m3	7.5	4.0	07/13/22	VN22G13A	07/14/22 05:20	VN22G13A	CM
11. Chlorobenzene	U		µg/m3	28	4.0	07/13/22	VN22G13A	07/14/22 05:20	VN22G13A	CM
12. Chloroethane	U		µg/m3	16	4.0	07/13/22	VN22G13A	07/14/22 05:20	VN22G13A	CM
13. Chloroform	16		µg/m3	5.9	4.0	07/13/22	VN22G13A	07/14/22 05:20	VN22G13A	CM
14. Chloromethane	U		µg/m3	12	4.0	07/13/22	VN22G13A	07/14/22 05:20	VN22G13A	CM
15. Cyclohexane	U		µg/m3	41	4.0	07/13/22	VN22G13A	07/14/22 05:20	VN22G13A	CM
16. Dibromochloromethane	U		µg/m3	4.1	4.0	07/13/22	VN22G13A	07/14/22 05:20	VN22G13A	CM
17. 1,2-Dichlorobenzene	U		µg/m3	36	4.0	07/13/22	VN22G13A	07/14/22 05:20	VN22G13A	CM
18. 1,3-Dichlorobenzene	U		µg/m3	36	4.0	07/13/22	VN22G13A	07/14/22 05:20	VN22G13A	CM
19. 1,4-Dichlorobenzene	U		µg/m3	36	4.0	07/13/22	VN22G13A	07/14/22 05:20	VN22G13A	CM
20. Dichlorodifluoromethane	U		µg/m3	30	4.0	07/13/22	VN22G13A	07/14/22 05:20	VN22G13A	CM
21. 1,1-Dichloroethane	U		µg/m3	24	4.0	07/13/22	VN22G13A	07/14/22 05:20	VN22G13A	CM
22. 1,2-Dichloroethane	U		µg/m3	4.9	4.0	07/13/22	VN22G13A	07/14/22 05:20	VN22G13A	CM
23. 1,1-Dichloroethene	U		µg/m3	24	4.0	07/13/22	VN22G13A	07/14/22 05:20	VN22G13A	CM
24. cis-1,2-Dichloroethene	U		µg/m3	24	4.0	07/13/22	VN22G13A	07/14/22 05:20	VN22G13A	CM
25. trans-1,2-Dichloroethene	U		µg/m3	24	4.0	07/13/22	VN22G13A	07/14/22 05:20	VN22G13A	CM
26. 1,2-Dichloropropane	U		µg/m3	28	4.0	07/13/22	VN22G13A	07/14/22 05:20	VN22G13A	CM
27. cis-1,3-Dichloropropene	U		µg/m3	27	4.0	07/13/22	VN22G13A	07/14/22 05:20	VN22G13A	CM
28. trans-1,3-Dichloropropene	U		µg/m3	27	4.0	07/13/22	VN22G13A	07/14/22 05:20	VN22G13A	CM
29. Ethylbenzene	U		µg/m3	52	4.0	07/13/22	VN22G13A	07/14/22 05:20	VN22G13A	CM
30. Ethylene Dibromide	U		µg/m3	0.92	4.0	07/13/22	VN22G13A	07/14/22 05:20	VN22G13A	CM
31. n-Hexane	U		µg/m3	42	4.0	07/13/22	VN22G13A	07/14/22 05:20	VN22G13A	CM
‡ 32. 2-Hexanone	U		µg/m3	49	4.0	07/13/22	VN22G13A	07/14/22 05:20	VN22G13A	CM
‡ 33. Isopropylbenzene	U		µg/m3	29	4.0	07/13/22	VN22G13A	07/14/22 05:20	VN22G13A	CM
34. Methylene Chloride	U		µg/m3	42	4.0	07/13/22	VN22G13A	07/14/22 05:20	VN22G13A	CM
‡ 35. 2-Methylnaphthalene	U		µg/m3	140	4.0	07/13/22	VN22G13A	07/14/22 05:20	VN22G13A	CM
36. MTBE	U		µg/m3	22	4.0	07/13/22	VN22G13A	07/14/22 05:20	VN22G13A	CM
‡ 37. Naphthalene	U		µg/m3	19	4.0	07/13/22	VN22G13A	07/14/22 05:20	VN22G13A	CM

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Client Identification: <b>EGLE - State Overflow</b>	Sample Description: <b>SWP-4</b>	Chain of Custody: <b>202944</b>
Client Project Name: <b>Van Dyke Ave (3650200103)</b>	Sample No:	Collect Date: <b>06/29/22</b>
Client Project No: <b>3650200103</b>	Sample Matrix: <b>Air</b>	Collect Time: <b>13:19</b>

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)**  
**Method: EPA TO-15**

**Aliquot ID: A09531-003**  
**Description: SWP-4**  
**Matrix: Air**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		Init.
						P. Date	P. Batch	A. Date	A. Batch	
‡ 38. n-Propylbenzene	U		µg/m3	1.5	4.0	07/13/22	VN22G13A	07/14/22 05:20	VN22G13A	CM
39. Styrene	U		µg/m3	51	4.0	07/13/22	VN22G13A	07/14/22 05:20	VN22G13A	CM
40. 1,1,2,2-Tetrachloroethane	U		µg/m3	3.3	4.0	07/13/22	VN22G13A	07/14/22 05:20	VN22G13A	CM
41. Tetrachloroethene	U		µg/m3	41	4.0	07/13/22	VN22G13A	07/14/22 05:20	VN22G13A	CM
42. Toluene	U		µg/m3	23	4.0	07/13/22	VN22G13A	07/14/22 05:20	VN22G13A	CM
‡ 43. 1,2,3-Trichlorobenzene	U		µg/m3	7.4	4.0	07/13/22	VN22G13A	07/14/22 05:20	VN22G13A	CM
44. 1,2,4-Trichlorobenzene	U		µg/m3	89	4.0	07/13/22	VN22G13A	07/14/22 05:20	VN22G13A	CM
45. 1,1,1-Trichloroethane	U		µg/m3	33	4.0	07/13/22	VN22G13A	07/14/22 05:20	VN22G13A	CM
46. 1,1,2-Trichloroethane	U		µg/m3	6.5	4.0	07/13/22	VN22G13A	07/14/22 05:20	VN22G13A	CM
47. Trichloroethene	U		µg/m3	1.6	4.0	07/13/22	VN22G13A	07/14/22 05:20	VN22G13A	CM
48. Trichlorofluoromethane	U		µg/m3	34	4.0	07/13/22	VN22G13A	07/14/22 05:20	VN22G13A	CM
‡ 49. 1,2,3-Trimethylbenzene	U		µg/m3	1.5	4.0	07/13/22	VN22G13A	07/14/22 05:20	VN22G13A	CM
50. 1,2,4-Trimethylbenzene	U		µg/m3	29	4.0	07/13/22	VN22G13A	07/14/22 05:20	VN22G13A	CM
51. 1,3,5-Trimethylbenzene	U		µg/m3	29	4.0	07/13/22	VN22G13A	07/14/22 05:20	VN22G13A	CM
‡ 52. 2,2,4-Trimethylpentane	U		µg/m3	1.4	4.0	07/13/22	VN22G13A	07/14/22 05:20	VN22G13A	CM
53. Vinyl Chloride	U		µg/m3	15	4.0	07/13/22	VN22G13A	07/14/22 05:20	VN22G13A	CM
54. m&p-Xylene	U		µg/m3	52	4.0	07/13/22	VN22G13A	07/14/22 05:20	VN22G13A	CM
55. o-Xylene	U		µg/m3	52	4.0	07/13/22	VN22G13A	07/14/22 05:20	VN22G13A	CM
‡ 56. Xylenes	U		µg/m3	100	4.0	07/13/22	VN22G13A	07/14/22 05:20	VN22G13A	CM

**Surrogate Summary**

			<u>Control Limits</u>	<u>Instrument</u>	<u>Batch</u>	<u>Run Time</u>	<u>Column</u>	<u>Inst. Method</u>
4-Bromofluorobenzene(S)	96	%	80-120	VN	VN22G13A	7/14/2022 05:20	1	VN400



Client Identification:	<b>EGLE - State Overflow</b>	Sample Description:	<b>SWP-5</b>	Chain of Custody:	<b>202944</b>
Client Project Name:	<b>Van Dyke Ave (3650200103)</b>	Sample No:		Collect Date:	<b>06/29/22</b>
Client Project No:	<b>3650200103</b>	Sample Matrix:	<b>Air</b>	Collect Time:	<b>13:55</b>

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)**  
**Method: EPA TO-15**

**Aliquot ID: A09531-004**  
**Description: SWP-5**  
**Matrix: Air**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		Init.
						P. Date	P. Batch	A. Date	A. Batch	
‡ 1. Acrylonitrile	U		µg/m3	11	4.0	07/13/22	VN22G13A	07/14/22 06:14	VN22G13A	CM
2. Benzene	U		µg/m3	19	4.0	07/13/22	VN22G13A	07/14/22 06:14	VN22G13A	CM
3. Bromodichloromethane	U		µg/m3	8.0	4.0	07/13/22	VN22G13A	07/14/22 06:14	VN22G13A	CM
4. Bromoform	U		µg/m3	62	4.0	07/13/22	VN22G13A	07/14/22 06:14	VN22G13A	CM
5. Bromomethane	U		µg/m3	23	4.0	07/13/22	VN22G13A	07/14/22 06:14	VN22G13A	CM
6. 1,3-Butadiene	U		µg/m3	2.7	4.0	07/13/22	VN22G13A	07/14/22 06:14	VN22G13A	CM
7. 2-Butanone	U		µg/m3	35	4.0	07/13/22	VN22G13A	07/14/22 06:14	VN22G13A	CM
‡ 8. n-Butylbenzene	U		µg/m3	5.5	4.0	07/13/22	VN22G13A	07/14/22 06:14	VN22G13A	CM
‡ 9. sec-Butylbenzene	U		µg/m3	1.6	4.0	07/13/22	VN22G13A	07/14/22 06:14	VN22G13A	CM
10. Carbon Tetrachloride	U		µg/m3	7.5	4.0	07/13/22	VN22G13A	07/14/22 06:14	VN22G13A	CM
11. Chlorobenzene	U		µg/m3	28	4.0	07/13/22	VN22G13A	07/14/22 06:14	VN22G13A	CM
12. Chloroethane	U		µg/m3	16	4.0	07/13/22	VN22G13A	07/14/22 06:14	VN22G13A	CM
13. Chloroform	32		µg/m3	5.9	4.0	07/13/22	VN22G13A	07/14/22 06:14	VN22G13A	CM
14. Chloromethane	U		µg/m3	12	4.0	07/13/22	VN22G13A	07/14/22 06:14	VN22G13A	CM
15. Cyclohexane	U		µg/m3	41	4.0	07/13/22	VN22G13A	07/14/22 06:14	VN22G13A	CM
16. Dibromochloromethane	U		µg/m3	4.1	4.0	07/13/22	VN22G13A	07/14/22 06:14	VN22G13A	CM
17. 1,2-Dichlorobenzene	U		µg/m3	36	4.0	07/13/22	VN22G13A	07/14/22 06:14	VN22G13A	CM
18. 1,3-Dichlorobenzene	U		µg/m3	36	4.0	07/13/22	VN22G13A	07/14/22 06:14	VN22G13A	CM
19. 1,4-Dichlorobenzene	U		µg/m3	36	4.0	07/13/22	VN22G13A	07/14/22 06:14	VN22G13A	CM
20. Dichlorodifluoromethane	U		µg/m3	30	4.0	07/13/22	VN22G13A	07/14/22 06:14	VN22G13A	CM
21. 1,1-Dichloroethane	U		µg/m3	24	4.0	07/13/22	VN22G13A	07/14/22 06:14	VN22G13A	CM
22. 1,2-Dichloroethane	U		µg/m3	4.9	4.0	07/13/22	VN22G13A	07/14/22 06:14	VN22G13A	CM
23. 1,1-Dichloroethene	U		µg/m3	24	4.0	07/13/22	VN22G13A	07/14/22 06:14	VN22G13A	CM
24. cis-1,2-Dichloroethene	U		µg/m3	24	4.0	07/13/22	VN22G13A	07/14/22 06:14	VN22G13A	CM
25. trans-1,2-Dichloroethene	U		µg/m3	24	4.0	07/13/22	VN22G13A	07/14/22 06:14	VN22G13A	CM
26. 1,2-Dichloropropane	U		µg/m3	28	4.0	07/13/22	VN22G13A	07/14/22 06:14	VN22G13A	CM
27. cis-1,3-Dichloropropene	U		µg/m3	27	4.0	07/13/22	VN22G13A	07/14/22 06:14	VN22G13A	CM
28. trans-1,3-Dichloropropene	U		µg/m3	27	4.0	07/13/22	VN22G13A	07/14/22 06:14	VN22G13A	CM
29. Ethylbenzene	U		µg/m3	52	4.0	07/13/22	VN22G13A	07/14/22 06:14	VN22G13A	CM
30. Ethylene Dibromide	U		µg/m3	0.92	4.0	07/13/22	VN22G13A	07/14/22 06:14	VN22G13A	CM
31. n-Hexane	U		µg/m3	42	4.0	07/13/22	VN22G13A	07/14/22 06:14	VN22G13A	CM
‡ 32. 2-Hexanone	U		µg/m3	49	4.0	07/13/22	VN22G13A	07/14/22 06:14	VN22G13A	CM
‡ 33. Isopropylbenzene	U		µg/m3	29	4.0	07/13/22	VN22G13A	07/14/22 06:14	VN22G13A	CM
34. Methylene Chloride	U		µg/m3	42	4.0	07/13/22	VN22G13A	07/14/22 06:14	VN22G13A	CM
‡ 35. 2-Methylnaphthalene	U		µg/m3	140	4.0	07/13/22	VN22G13A	07/14/22 06:14	VN22G13A	CM
36. MTBE	U		µg/m3	22	4.0	07/13/22	VN22G13A	07/14/22 06:14	VN22G13A	CM
‡ 37. Naphthalene	U		µg/m3	19	4.0	07/13/22	VN22G13A	07/14/22 06:14	VN22G13A	CM

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Client Identification: <b>EGLE - State Overflow</b>	Sample Description: <b>SWP-5</b>	Chain of Custody: <b>202944</b>
Client Project Name: <b>Van Dyke Ave (3650200103)</b>	Sample No:	Collect Date: <b>06/29/22</b>
Client Project No: <b>3650200103</b>	Sample Matrix: <b>Air</b>	Collect Time: <b>13:55</b>

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)**  
**Method: EPA TO-15**

**Aliquot ID: A09531-004**  
**Description: SWP-5**  
**Matrix: Air**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		Init.
						P. Date	P. Batch	A. Date	A. Batch	
‡ 38. n-Propylbenzene	U		µg/m3	1.5	4.0	07/13/22	VN22G13A	07/14/22 06:14	VN22G13A	CM
39. Styrene	U		µg/m3	51	4.0	07/13/22	VN22G13A	07/14/22 06:14	VN22G13A	CM
40. 1,1,2,2-Tetrachloroethane	U		µg/m3	3.3	4.0	07/13/22	VN22G13A	07/14/22 06:14	VN22G13A	CM
41. Tetrachloroethene	U		µg/m3	41	4.0	07/13/22	VN22G13A	07/14/22 06:14	VN22G13A	CM
42. Toluene	U		µg/m3	23	4.0	07/13/22	VN22G13A	07/14/22 06:14	VN22G13A	CM
‡ 43. 1,2,3-Trichlorobenzene	U		µg/m3	7.4	4.0	07/13/22	VN22G13A	07/14/22 06:14	VN22G13A	CM
44. 1,2,4-Trichlorobenzene	U		µg/m3	89	4.0	07/13/22	VN22G13A	07/14/22 06:14	VN22G13A	CM
45. 1,1,1-Trichloroethane	U		µg/m3	33	4.0	07/13/22	VN22G13A	07/14/22 06:14	VN22G13A	CM
46. 1,1,2-Trichloroethane	U		µg/m3	6.5	4.0	07/13/22	VN22G13A	07/14/22 06:14	VN22G13A	CM
47. Trichloroethene	2.0		µg/m3	1.6	4.0	07/13/22	VN22G13A	07/14/22 06:14	VN22G13A	CM
48. Trichlorofluoromethane	U		µg/m3	34	4.0	07/13/22	VN22G13A	07/14/22 06:14	VN22G13A	CM
‡ 49. 1,2,3-Trimethylbenzene	U		µg/m3	1.5	4.0	07/13/22	VN22G13A	07/14/22 06:14	VN22G13A	CM
50. 1,2,4-Trimethylbenzene	U		µg/m3	29	4.0	07/13/22	VN22G13A	07/14/22 06:14	VN22G13A	CM
51. 1,3,5-Trimethylbenzene	U		µg/m3	29	4.0	07/13/22	VN22G13A	07/14/22 06:14	VN22G13A	CM
‡ 52. 2,2,4-Trimethylpentane	U		µg/m3	1.4	4.0	07/13/22	VN22G13A	07/14/22 06:14	VN22G13A	CM
53. Vinyl Chloride	U		µg/m3	15	4.0	07/13/22	VN22G13A	07/14/22 06:14	VN22G13A	CM
54. m&p-Xylene	U		µg/m3	52	4.0	07/13/22	VN22G13A	07/14/22 06:14	VN22G13A	CM
55. o-Xylene	U		µg/m3	52	4.0	07/13/22	VN22G13A	07/14/22 06:14	VN22G13A	CM
‡ 56. Xylenes	U		µg/m3	100	4.0	07/13/22	VN22G13A	07/14/22 06:14	VN22G13A	CM

**Surrogate Summary**

			<u>Control Limits</u>	<u>Instrument</u>	<u>Batch</u>	<u>Run Time</u>	<u>Column</u>	<u>Inst. Method</u>
4-Bromofluorobenzene(S)	98	%	80-120	VN	VN22G13A	7/14/2022 06:14	1	VN400

Client Identification: <b>EGLE - State Overflow</b>	Sample Description: <b>SWP-6</b>	Chain of Custody: <b>202944</b>
Client Project Name: <b>Van Dyke Ave (3650200103)</b>	Sample No:	Collect Date: <b>06/29/22</b>
Client Project No: <b>3650200103</b>	Sample Matrix: <b>Air</b>	Collect Time: <b>13:47</b>

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)**  
**Method: EPA TO-15**

**Aliquot ID: A09531-005**  
**Description: SWP-6**  
**Matrix: Air**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
‡ 1. Acrylonitrile	U		µg/m3	11	4.0	07/13/22	VN22G13A	07/14/22 07:08	VN22G13A	CM
2. Benzene	U		µg/m3	19	4.0	07/13/22	VN22G13A	07/14/22 07:08	VN22G13A	CM
3. Bromodichloromethane	U		µg/m3	8.0	4.0	07/13/22	VN22G13A	07/14/22 07:08	VN22G13A	CM
4. Bromoform	U		µg/m3	62	4.0	07/13/22	VN22G13A	07/14/22 07:08	VN22G13A	CM
5. Bromomethane	U		µg/m3	23	4.0	07/13/22	VN22G13A	07/14/22 07:08	VN22G13A	CM
6. 1,3-Butadiene	U		µg/m3	2.7	4.0	07/13/22	VN22G13A	07/14/22 07:08	VN22G13A	CM
7. 2-Butanone	U		µg/m3	35	4.0	07/13/22	VN22G13A	07/14/22 07:08	VN22G13A	CM
‡ 8. n-Butylbenzene	U		µg/m3	5.5	4.0	07/13/22	VN22G13A	07/14/22 07:08	VN22G13A	CM
‡ 9. sec-Butylbenzene	U		µg/m3	1.6	4.0	07/13/22	VN22G13A	07/14/22 07:08	VN22G13A	CM
10. Carbon Tetrachloride	U		µg/m3	7.5	4.0	07/13/22	VN22G13A	07/14/22 07:08	VN22G13A	CM
11. Chlorobenzene	U		µg/m3	28	4.0	07/13/22	VN22G13A	07/14/22 07:08	VN22G13A	CM
12. Chloroethane	U		µg/m3	16	4.0	07/13/22	VN22G13A	07/14/22 07:08	VN22G13A	CM
13. Chloroform	10		µg/m3	5.9	4.0	07/13/22	VN22G13A	07/14/22 07:08	VN22G13A	CM
14. Chloromethane	U		µg/m3	12	4.0	07/13/22	VN22G13A	07/14/22 07:08	VN22G13A	CM
15. Cyclohexane	1500		µg/m3	41	11	07/15/22	VN22G15B	07/15/22 23:12	VN22G15B	CMA
16. Dibromochloromethane	U		µg/m3	4.1	4.0	07/13/22	VN22G13A	07/14/22 07:08	VN22G13A	CM
17. 1,2-Dichlorobenzene	U		µg/m3	36	4.0	07/13/22	VN22G13A	07/14/22 07:08	VN22G13A	CM
18. 1,3-Dichlorobenzene	U		µg/m3	36	4.0	07/13/22	VN22G13A	07/14/22 07:08	VN22G13A	CM
19. 1,4-Dichlorobenzene	U		µg/m3	36	4.0	07/13/22	VN22G13A	07/14/22 07:08	VN22G13A	CM
20. Dichlorodifluoromethane	U		µg/m3	30	4.0	07/13/22	VN22G13A	07/14/22 07:08	VN22G13A	CM
21. 1,1-Dichloroethane	U		µg/m3	24	4.0	07/13/22	VN22G13A	07/14/22 07:08	VN22G13A	CM
22. 1,2-Dichloroethane	U		µg/m3	4.9	4.0	07/13/22	VN22G13A	07/14/22 07:08	VN22G13A	CM
23. 1,1-Dichloroethene	U		µg/m3	24	4.0	07/13/22	VN22G13A	07/14/22 07:08	VN22G13A	CM
24. cis-1,2-Dichloroethene	U		µg/m3	24	4.0	07/13/22	VN22G13A	07/14/22 07:08	VN22G13A	CM
25. trans-1,2-Dichloroethene	U		µg/m3	24	4.0	07/13/22	VN22G13A	07/14/22 07:08	VN22G13A	CM
26. 1,2-Dichloropropane	U		µg/m3	28	4.0	07/13/22	VN22G13A	07/14/22 07:08	VN22G13A	CM
27. cis-1,3-Dichloropropene	U		µg/m3	27	4.0	07/13/22	VN22G13A	07/14/22 07:08	VN22G13A	CM
28. trans-1,3-Dichloropropene	U		µg/m3	27	4.0	07/13/22	VN22G13A	07/14/22 07:08	VN22G13A	CM
29. Ethylbenzene	U		µg/m3	52	4.0	07/13/22	VN22G13A	07/14/22 07:08	VN22G13A	CM
30. Ethylene Dibromide	U		µg/m3	0.92	4.0	07/13/22	VN22G13A	07/14/22 07:08	VN22G13A	CM
31. n-Hexane	940		µg/m3	42	11	07/15/22	VN22G15B	07/15/22 23:12	VN22G15B	CMA
‡ 32. 2-Hexanone	U		µg/m3	49	4.0	07/13/22	VN22G13A	07/14/22 07:08	VN22G13A	CM
‡ 33. Isopropylbenzene	U		µg/m3	29	4.0	07/13/22	VN22G13A	07/14/22 07:08	VN22G13A	CM
34. Methylene Chloride	U		µg/m3	42	4.0	07/13/22	VN22G13A	07/14/22 07:08	VN22G13A	CM
‡ 35. 2-Methylnaphthalene	U		µg/m3	140	4.0	07/13/22	VN22G13A	07/14/22 07:08	VN22G13A	CM
36. MTBE	U		µg/m3	22	4.0	07/13/22	VN22G13A	07/14/22 07:08	VN22G13A	CM
‡ 37. Naphthalene	U		µg/m3	19	4.0	07/13/22	VN22G13A	07/14/22 07:08	VN22G13A	CM

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F: (231) 775-8584

Client Identification: <b>EGLE - State Overflow</b>	Sample Description: <b>SWP-6</b>	Chain of Custody: <b>202944</b>
Client Project Name: <b>Van Dyke Ave (3650200103)</b>	Sample No:	Collect Date: <b>06/29/22</b>
Client Project No: <b>3650200103</b>	Sample Matrix: <b>Air</b>	Collect Time: <b>13:47</b>

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)**  
**Method: EPA TO-15**

**Aliquot ID: A09531-005**  
**Description: SWP-6**  
**Matrix: Air**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
‡ 38. n-Propylbenzene	3.6		µg/m3	1.5	4.0	07/13/22	VN22G13A	07/14/22 07:08	VN22G13A	CM
39. Styrene	U		µg/m3	51	4.0	07/13/22	VN22G13A	07/14/22 07:08	VN22G13A	CM
40. 1,1,2,2-Tetrachloroethane	U		µg/m3	3.3	4.0	07/13/22	VN22G13A	07/14/22 07:08	VN22G13A	CM
41. Tetrachloroethene	U		µg/m3	41	4.0	07/13/22	VN22G13A	07/14/22 07:08	VN22G13A	CM
42. Toluene	U		µg/m3	23	4.0	07/13/22	VN22G13A	07/14/22 07:08	VN22G13A	CM
‡ 43. 1,2,3-Trichlorobenzene	U		µg/m3	7.4	4.0	07/13/22	VN22G13A	07/14/22 07:08	VN22G13A	CM
44. 1,2,4-Trichlorobenzene	U		µg/m3	89	4.0	07/13/22	VN22G13A	07/14/22 07:08	VN22G13A	CM
45. 1,1,1-Trichloroethane	U		µg/m3	33	4.0	07/13/22	VN22G13A	07/14/22 07:08	VN22G13A	CM
46. 1,1,2-Trichloroethane	U		µg/m3	6.5	4.0	07/13/22	VN22G13A	07/14/22 07:08	VN22G13A	CM
47. Trichloroethene	U		µg/m3	1.6	4.0	07/13/22	VN22G13A	07/14/22 07:08	VN22G13A	CM
48. Trichlorofluoromethane	U		µg/m3	34	4.0	07/13/22	VN22G13A	07/14/22 07:08	VN22G13A	CM
‡ 49. 1,2,3-Trimethylbenzene	U		µg/m3	1.5	4.0	07/13/22	VN22G13A	07/14/22 07:08	VN22G13A	CM
50. 1,2,4-Trimethylbenzene	U		µg/m3	29	4.0	07/13/22	VN22G13A	07/14/22 07:08	VN22G13A	CM
51. 1,3,5-Trimethylbenzene	U		µg/m3	29	4.0	07/13/22	VN22G13A	07/14/22 07:08	VN22G13A	CM
‡ 52. 2,2,4-Trimethylpentane	U		µg/m3	1.4	4.0	07/13/22	VN22G13A	07/14/22 07:08	VN22G13A	CM
53. Vinyl Chloride	U		µg/m3	15	4.0	07/13/22	VN22G13A	07/14/22 07:08	VN22G13A	CM
54. m&p-Xylene	U		µg/m3	52	4.0	07/13/22	VN22G13A	07/14/22 07:08	VN22G13A	CM
55. o-Xylene	U		µg/m3	52	4.0	07/13/22	VN22G13A	07/14/22 07:08	VN22G13A	CM
‡ 56. Xylenes	U		µg/m3	100	4.0	07/13/22	VN22G13A	07/14/22 07:08	VN22G13A	CM

**Surrogate Summary**

			<u>Control Limits</u>	<u>Instrument</u>	<u>Batch</u>	<u>Run Time</u>	<u>Column</u>	<u>Inst. Method</u>
4-Bromofluorobenzene(S)	98	%	80-120	VN	VN22G13A	7/14/2022 07:08	1	VN400
4-Bromofluorobenzene(S)	94	%	80-120	VN	VN22G15B	7/15/2022 23:12	1	VN400

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F: (231) 775-8584

Client Identification: <b>EGLE - State Overflow</b>	Sample Description: <b>SWP-7</b>	Chain of Custody: <b>202944</b>
Client Project Name: <b>Van Dyke Ave (3650200103)</b>	Sample No:	Collect Date: <b>06/29/22</b>
Client Project No: <b>3650200103</b>	Sample Matrix: <b>Air</b>	Collect Time: <b>13:03</b>

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)**  
**Method: EPA TO-15**

**Aliquot ID: A09531-006**  
**Description: SWP-7**  
**Matrix: Air**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		Init.
						P. Date	P. Batch	A. Date	A. Batch	
‡ 1. Acrylonitrile	U		µg/m3	11	4.0	07/13/22	VN22G13A	07/14/22 08:03	VN22G13A	CM
2. Benzene	U		µg/m3	19	4.0	07/13/22	VN22G13A	07/14/22 08:03	VN22G13A	CM
3. Bromodichloromethane	64		µg/m3	8.0	4.0	07/13/22	VN22G13A	07/14/22 08:03	VN22G13A	CM
4. Bromoform	U		µg/m3	62	4.0	07/13/22	VN22G13A	07/14/22 08:03	VN22G13A	CM
5. Bromomethane	U		µg/m3	23	4.0	07/13/22	VN22G13A	07/14/22 08:03	VN22G13A	CM
6. 1,3-Butadiene	U		µg/m3	2.7	4.0	07/13/22	VN22G13A	07/14/22 08:03	VN22G13A	CM
7. 2-Butanone	U		µg/m3	35	4.0	07/13/22	VN22G13A	07/14/22 08:03	VN22G13A	CM
‡ 8. n-Butylbenzene	U		µg/m3	5.5	4.0	07/13/22	VN22G13A	07/14/22 08:03	VN22G13A	CM
‡ 9. sec-Butylbenzene	U		µg/m3	1.6	4.0	07/13/22	VN22G13A	07/14/22 08:03	VN22G13A	CM
10. Carbon Tetrachloride	U		µg/m3	7.5	4.0	07/13/22	VN22G13A	07/14/22 08:03	VN22G13A	CM
11. Chlorobenzene	U		µg/m3	28	4.0	07/13/22	VN22G13A	07/14/22 08:03	VN22G13A	CM
12. Chloroethane	U		µg/m3	16	4.0	07/13/22	VN22G13A	07/14/22 08:03	VN22G13A	CM
13. Chloroform	400		µg/m3	5.9	4.0	07/13/22	VN22G13A	07/14/22 08:03	VN22G13A	CM
14. Chloromethane	U		µg/m3	12	4.0	07/13/22	VN22G13A	07/14/22 08:03	VN22G13A	CM
15. Cyclohexane	U		µg/m3	41	4.0	07/13/22	VN22G13A	07/14/22 08:03	VN22G13A	CM
16. Dibromochloromethane	15		µg/m3	4.1	4.0	07/13/22	VN22G13A	07/14/22 08:03	VN22G13A	CM
17. 1,2-Dichlorobenzene	U		µg/m3	36	4.0	07/13/22	VN22G13A	07/14/22 08:03	VN22G13A	CM
18. 1,3-Dichlorobenzene	U		µg/m3	36	4.0	07/13/22	VN22G13A	07/14/22 08:03	VN22G13A	CM
19. 1,4-Dichlorobenzene	U		µg/m3	36	4.0	07/13/22	VN22G13A	07/14/22 08:03	VN22G13A	CM
20. Dichlorodifluoromethane	U		µg/m3	30	4.0	07/13/22	VN22G13A	07/14/22 08:03	VN22G13A	CM
21. 1,1-Dichloroethane	U		µg/m3	24	4.0	07/13/22	VN22G13A	07/14/22 08:03	VN22G13A	CM
22. 1,2-Dichloroethane	U		µg/m3	4.9	4.0	07/13/22	VN22G13A	07/14/22 08:03	VN22G13A	CM
23. 1,1-Dichloroethene	U		µg/m3	24	4.0	07/13/22	VN22G13A	07/14/22 08:03	VN22G13A	CM
24. cis-1,2-Dichloroethene	43		µg/m3	24	4.0	07/13/22	VN22G13A	07/14/22 08:03	VN22G13A	CM
25. trans-1,2-Dichloroethene	U		µg/m3	24	4.0	07/13/22	VN22G13A	07/14/22 08:03	VN22G13A	CM
26. 1,2-Dichloropropane	U		µg/m3	28	4.0	07/13/22	VN22G13A	07/14/22 08:03	VN22G13A	CM
27. cis-1,3-Dichloropropene	U		µg/m3	27	4.0	07/13/22	VN22G13A	07/14/22 08:03	VN22G13A	CM
28. trans-1,3-Dichloropropene	U		µg/m3	27	4.0	07/13/22	VN22G13A	07/14/22 08:03	VN22G13A	CM
29. Ethylbenzene	U		µg/m3	52	4.0	07/13/22	VN22G13A	07/14/22 08:03	VN22G13A	CM
30. Ethylene Dibromide	U		µg/m3	0.92	4.0	07/13/22	VN22G13A	07/14/22 08:03	VN22G13A	CM
31. n-Hexane	U		µg/m3	42	4.0	07/13/22	VN22G13A	07/14/22 08:03	VN22G13A	CM
‡ 32. 2-Hexanone	U		µg/m3	49	4.0	07/13/22	VN22G13A	07/14/22 08:03	VN22G13A	CM
‡ 33. Isopropylbenzene	U		µg/m3	29	4.0	07/13/22	VN22G13A	07/14/22 08:03	VN22G13A	CM
34. Methylene Chloride	U		µg/m3	42	4.0	07/13/22	VN22G13A	07/14/22 08:03	VN22G13A	CM
‡ 35. 2-Methylnaphthalene	U		µg/m3	140	4.0	07/13/22	VN22G13A	07/14/22 08:03	VN22G13A	CM
36. MTBE	U		µg/m3	22	4.0	07/13/22	VN22G13A	07/14/22 08:03	VN22G13A	CM
‡ 37. Naphthalene	U		µg/m3	19	4.0	07/13/22	VN22G13A	07/14/22 08:03	VN22G13A	CM

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Client Identification: <b>EGLE - State Overflow</b>	Sample Description: <b>SWP-7</b>	Chain of Custody: <b>202944</b>
Client Project Name: <b>Van Dyke Ave (3650200103)</b>	Sample No:	Collect Date: <b>06/29/22</b>
Client Project No: <b>3650200103</b>	Sample Matrix: <b>Air</b>	Collect Time: <b>13:03</b>

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)**  
**Method: EPA TO-15**

**Aliquot ID: A09531-006**  
**Description: SWP-7**  
**Matrix: Air**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
‡ 38. n-Propylbenzene	U		µg/m3	1.5	4.0	07/13/22	VN22G13A	07/14/22 08:03	VN22G13A	CM
39. Styrene	U		µg/m3	51	4.0	07/13/22	VN22G13A	07/14/22 08:03	VN22G13A	CM
40. 1,1,2,2-Tetrachloroethane	U		µg/m3	3.3	4.0	07/13/22	VN22G13A	07/14/22 08:03	VN22G13A	CM
41. Tetrachloroethene	190		µg/m3	41	4.0	07/13/22	VN22G13A	07/14/22 08:03	VN22G13A	CM
42. Toluene	U		µg/m3	23	4.0	07/13/22	VN22G13A	07/14/22 08:03	VN22G13A	CM
‡ 43. 1,2,3-Trichlorobenzene	U		µg/m3	7.4	4.0	07/13/22	VN22G13A	07/14/22 08:03	VN22G13A	CM
44. 1,2,4-Trichlorobenzene	U		µg/m3	89	4.0	07/13/22	VN22G13A	07/14/22 08:03	VN22G13A	CM
45. 1,1,1-Trichloroethane	U		µg/m3	33	4.0	07/13/22	VN22G13A	07/14/22 08:03	VN22G13A	CM
46. 1,1,2-Trichloroethane	U		µg/m3	6.5	4.0	07/13/22	VN22G13A	07/14/22 08:03	VN22G13A	CM
47. Trichloroethene	15		µg/m3	1.6	4.0	07/13/22	VN22G13A	07/14/22 08:03	VN22G13A	CM
48. Trichlorofluoromethane	U		µg/m3	34	4.0	07/13/22	VN22G13A	07/14/22 08:03	VN22G13A	CM
‡ 49. 1,2,3-Trimethylbenzene	U		µg/m3	1.5	4.0	07/13/22	VN22G13A	07/14/22 08:03	VN22G13A	CM
50. 1,2,4-Trimethylbenzene	U		µg/m3	29	4.0	07/13/22	VN22G13A	07/14/22 08:03	VN22G13A	CM
51. 1,3,5-Trimethylbenzene	U		µg/m3	29	4.0	07/13/22	VN22G13A	07/14/22 08:03	VN22G13A	CM
‡ 52. 2,2,4-Trimethylpentane	U		µg/m3	1.4	4.0	07/13/22	VN22G13A	07/14/22 08:03	VN22G13A	CM
53. Vinyl Chloride	U		µg/m3	15	4.0	07/13/22	VN22G13A	07/14/22 08:03	VN22G13A	CM
54. m&p-Xylene	U		µg/m3	52	4.0	07/13/22	VN22G13A	07/14/22 08:03	VN22G13A	CM
55. o-Xylene	U		µg/m3	52	4.0	07/13/22	VN22G13A	07/14/22 08:03	VN22G13A	CM
‡ 56. Xylenes	U		µg/m3	100	4.0	07/13/22	VN22G13A	07/14/22 08:03	VN22G13A	CM

**Surrogate Summary**

			<u>Control Limits</u>	<u>Instrument</u>	<u>Batch</u>	<u>Run Time</u>	<u>Column</u>	<u>Inst. Method</u>
4-Bromofluorobenzene(S)	100	%	80-120	VN	VN22G13A	7/14/2022 08:03	1	VN400



Client Identification:	<b>EGLE - State Overflow</b>	Sample Description:	<b>SWP-8</b>	Chain of Custody:	<b>202944</b>
Client Project Name:	<b>Van Dyke Ave (3650200103)</b>	Sample No:		Collect Date:	<b>06/29/22</b>
Client Project No:	<b>3650200103</b>	Sample Matrix:	<b>Air</b>	Collect Time:	<b>12:35</b>

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)**  
**Method: EPA TO-15**

**Aliquot ID: A09531-007**  
**Description: SWP-8**  
**Matrix: Air**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
‡ 1. Acrylonitrile	U		µg/m3	11	4.0	07/13/22	VN22G13A	07/14/22 08:57	VN22G13A	CM
2. Benzene	U		µg/m3	19	4.0	07/13/22	VN22G13A	07/14/22 08:57	VN22G13A	CM
3. Bromodichloromethane	U		µg/m3	8.0	4.0	07/13/22	VN22G13A	07/14/22 08:57	VN22G13A	CM
4. Bromoform	U		µg/m3	62	4.0	07/13/22	VN22G13A	07/14/22 08:57	VN22G13A	CM
5. Bromomethane	U		µg/m3	23	4.0	07/13/22	VN22G13A	07/14/22 08:57	VN22G13A	CM
6. 1,3-Butadiene	U		µg/m3	2.7	4.0	07/13/22	VN22G13A	07/14/22 08:57	VN22G13A	CM
7. 2-Butanone	U		µg/m3	35	4.0	07/13/22	VN22G13A	07/14/22 08:57	VN22G13A	CM
‡ 8. n-Butylbenzene	U		µg/m3	5.5	4.0	07/13/22	VN22G13A	07/14/22 08:57	VN22G13A	CM
‡ 9. sec-Butylbenzene	U		µg/m3	1.6	4.0	07/13/22	VN22G13A	07/14/22 08:57	VN22G13A	CM
10. Carbon Tetrachloride	U		µg/m3	7.5	4.0	07/13/22	VN22G13A	07/14/22 08:57	VN22G13A	CM
11. Chlorobenzene	U		µg/m3	28	4.0	07/13/22	VN22G13A	07/14/22 08:57	VN22G13A	CM
12. Chloroethane	U		µg/m3	16	4.0	07/13/22	VN22G13A	07/14/22 08:57	VN22G13A	CM
13. Chloroform	U		µg/m3	5.9	4.0	07/13/22	VN22G13A	07/14/22 08:57	VN22G13A	CM
14. Chloromethane	U		µg/m3	12	4.0	07/13/22	VN22G13A	07/14/22 08:57	VN22G13A	CM
15. Cyclohexane	U		µg/m3	41	4.0	07/13/22	VN22G13A	07/14/22 08:57	VN22G13A	CM
16. Dibromochloromethane	U		µg/m3	4.1	4.0	07/13/22	VN22G13A	07/14/22 08:57	VN22G13A	CM
17. 1,2-Dichlorobenzene	U		µg/m3	36	4.0	07/13/22	VN22G13A	07/14/22 08:57	VN22G13A	CM
18. 1,3-Dichlorobenzene	U		µg/m3	36	4.0	07/13/22	VN22G13A	07/14/22 08:57	VN22G13A	CM
19. 1,4-Dichlorobenzene	U		µg/m3	36	4.0	07/13/22	VN22G13A	07/14/22 08:57	VN22G13A	CM
20. Dichlorodifluoromethane	U		µg/m3	30	4.0	07/13/22	VN22G13A	07/14/22 08:57	VN22G13A	CM
21. 1,1-Dichloroethane	U		µg/m3	24	4.0	07/13/22	VN22G13A	07/14/22 08:57	VN22G13A	CM
22. 1,2-Dichloroethane	U		µg/m3	4.9	4.0	07/13/22	VN22G13A	07/14/22 08:57	VN22G13A	CM
23. 1,1-Dichloroethene	U		µg/m3	24	4.0	07/13/22	VN22G13A	07/14/22 08:57	VN22G13A	CM
24. cis-1,2-Dichloroethene	U		µg/m3	24	4.0	07/13/22	VN22G13A	07/14/22 08:57	VN22G13A	CM
25. trans-1,2-Dichloroethene	U		µg/m3	24	4.0	07/13/22	VN22G13A	07/14/22 08:57	VN22G13A	CM
26. 1,2-Dichloropropane	U		µg/m3	28	4.0	07/13/22	VN22G13A	07/14/22 08:57	VN22G13A	CM
27. cis-1,3-Dichloropropene	U		µg/m3	27	4.0	07/13/22	VN22G13A	07/14/22 08:57	VN22G13A	CM
28. trans-1,3-Dichloropropene	U		µg/m3	27	4.0	07/13/22	VN22G13A	07/14/22 08:57	VN22G13A	CM
29. Ethylbenzene	U		µg/m3	52	4.0	07/13/22	VN22G13A	07/14/22 08:57	VN22G13A	CM
30. Ethylene Dibromide	U		µg/m3	0.92	4.0	07/13/22	VN22G13A	07/14/22 08:57	VN22G13A	CM
31. n-Hexane	U		µg/m3	42	4.0	07/13/22	VN22G13A	07/14/22 08:57	VN22G13A	CM
‡ 32. 2-Hexanone	U		µg/m3	49	4.0	07/13/22	VN22G13A	07/14/22 08:57	VN22G13A	CM
‡ 33. Isopropylbenzene	U		µg/m3	29	4.0	07/13/22	VN22G13A	07/14/22 08:57	VN22G13A	CM
34. Methylene Chloride	U		µg/m3	42	4.0	07/13/22	VN22G13A	07/14/22 08:57	VN22G13A	CM
‡ 35. 2-Methylnaphthalene	U		µg/m3	140	4.0	07/13/22	VN22G13A	07/14/22 08:57	VN22G13A	CM
36. MTBE	U		µg/m3	22	4.0	07/13/22	VN22G13A	07/14/22 08:57	VN22G13A	CM
‡ 37. Naphthalene	U		µg/m3	19	4.0	07/13/22	VN22G13A	07/14/22 08:57	VN22G13A	CM

1914 Holloway Drive  
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Holt, MI 48842  
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T: (810) 220-3300  
T: (231) 775-8368

F: (517) 699-0388  
F: (810) 220-3311  
F: (231) 775-8584



Client Identification: <b>EGLE - State Overflow</b>	Sample Description: <b>SWP-8</b>	Chain of Custody: <b>202944</b>
Client Project Name: <b>Van Dyke Ave (3650200103)</b>	Sample No:	Collect Date: <b>06/29/22</b>
Client Project No: <b>3650200103</b>	Sample Matrix: <b>Air</b>	Collect Time: <b>12:35</b>

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)**  
**Method: EPA TO-15**

**Aliquot ID: A09531-007**  
**Description: SWP-8**  
**Matrix: Air**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		Init.
						P. Date	P. Batch	A. Date	A. Batch	
‡ 38. n-Propylbenzene	U		µg/m3	1.5	4.0	07/13/22	VN22G13A	07/14/22 08:57	VN22G13A	CM
39. Styrene	U		µg/m3	51	4.0	07/13/22	VN22G13A	07/14/22 08:57	VN22G13A	CM
40. 1,1,2,2-Tetrachloroethane	U		µg/m3	3.3	4.0	07/13/22	VN22G13A	07/14/22 08:57	VN22G13A	CM
41. Tetrachloroethene	U		µg/m3	41	4.0	07/13/22	VN22G13A	07/14/22 08:57	VN22G13A	CM
42. Toluene	U		µg/m3	23	4.0	07/13/22	VN22G13A	07/14/22 08:57	VN22G13A	CM
‡ 43. 1,2,3-Trichlorobenzene	U		µg/m3	7.4	4.0	07/13/22	VN22G13A	07/14/22 08:57	VN22G13A	CM
44. 1,2,4-Trichlorobenzene	U		µg/m3	89	4.0	07/13/22	VN22G13A	07/14/22 08:57	VN22G13A	CM
45. 1,1,1-Trichloroethane	U		µg/m3	33	4.0	07/13/22	VN22G13A	07/14/22 08:57	VN22G13A	CM
46. 1,1,2-Trichloroethane	U		µg/m3	6.5	4.0	07/13/22	VN22G13A	07/14/22 08:57	VN22G13A	CM
47. Trichloroethene	U		µg/m3	1.6	4.0	07/13/22	VN22G13A	07/14/22 08:57	VN22G13A	CM
48. Trichlorofluoromethane	U		µg/m3	34	4.0	07/13/22	VN22G13A	07/14/22 08:57	VN22G13A	CM
‡ 49. 1,2,3-Trimethylbenzene	U		µg/m3	1.5	4.0	07/13/22	VN22G13A	07/14/22 08:57	VN22G13A	CM
50. 1,2,4-Trimethylbenzene	U		µg/m3	29	4.0	07/13/22	VN22G13A	07/14/22 08:57	VN22G13A	CM
51. 1,3,5-Trimethylbenzene	U		µg/m3	29	4.0	07/13/22	VN22G13A	07/14/22 08:57	VN22G13A	CM
‡ 52. 2,2,4-Trimethylpentane	U		µg/m3	1.4	4.0	07/13/22	VN22G13A	07/14/22 08:57	VN22G13A	CM
53. Vinyl Chloride	U		µg/m3	15	4.0	07/13/22	VN22G13A	07/14/22 08:57	VN22G13A	CM
54. m&p-Xylene	U		µg/m3	52	4.0	07/13/22	VN22G13A	07/14/22 08:57	VN22G13A	CM
55. o-Xylene	U		µg/m3	52	4.0	07/13/22	VN22G13A	07/14/22 08:57	VN22G13A	CM
‡ 56. Xylenes	U		µg/m3	100	4.0	07/13/22	VN22G13A	07/14/22 08:57	VN22G13A	CM

**Surrogate Summary**

			<u>Control Limits</u>	<u>Instrument</u>	<u>Batch</u>	<u>Run Time</u>	<u>Column</u>	<u>Inst. Method</u>
4-Bromofluorobenzene(S)	99	%	80-120	VN	VN22G13A	7/14/2022 08:57	1	VN400

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**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.

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**Exception Summary:**

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**Analysis Locations:**

All analyses performed in Holt.

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Accreditation Number(s):

**T104704518-19-8 (TX)**

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Client Name: <u>AMEC Engineering &amp; Consulting</u>				MATRIX (SEE RIGHT CORNER FOR CODE)	# OF CONTAINERS	70-15	PARAMETERS												Matrix Code				Deliverables																																																																																																																																																																																																																	
Contact Person: <u>Doug Saigl</u>																			<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>S</td><td>Soil</td> <td>GW</td><td>Ground Water</td> </tr> <tr> <td>A</td><td>Air</td> <td>SW</td><td>Surface Water</td> </tr> <tr> <td>O</td><td>Oil</td> <td>WW</td><td>Waste Water</td> </tr> <tr> <td>P</td><td>Wipe</td> <td>X</td><td>Other: Specify</td> </tr> </table>				S	Soil	GW	Ground Water	A	Air	SW	Surface Water	O	Oil	WW	Waste Water	P	Wipe	X	Other: Specify	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Level 2</td></tr> <tr><td>Level 3</td></tr> <tr><td>Level 4</td></tr> <tr><td>EDD</td></tr> </table>		Level 2	Level 3	Level 4	EDD																																																																																																																																																																																												
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Email distribution list: <u>douglas.saigl@amec.com</u> <u>verske@michigan.gov</u> <u>ian.verske@amec.com</u> <u>kyle.noyce@amec.com</u>																																																																																																																																																																																																																																								
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