

Tuesday, September 19, 2023

Fibertec Project Number: A17224
Project Identification: FCA/Stellantis Project (23001494-01) /23001494-01
Submittal Date: 09/14/2023

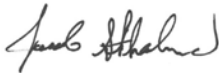
Mr. Bhushan Modi
NTH Consultants, Ltd. - Northville
41780 Six Mile Road
Suite 200
Northville, MI 48168-3459

Dear Mr. Modi,

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.

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

Sincerely,



By Jacob Sutherland at 11:41 AM, Sep 19, 2023

For Heather L. Smith
Director of Laboratory Operations

Enclosures

1914 Holloway Drive
11766 E. Grand River
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Client Identification: NTH Consultants, Ltd. - Northville	Sample Description: Beniteau	Chain of Custody: 220201
Client Project Name: FCA/Stellantis Project (23001494-01)	Sample No: A-15	Collect Date: 09/12/23
Client Project No: 23001494-01	Sample Matrix: Air	Collect Time: NA

Sample Comments:

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

TO-15 (Summa)

Method: EPA TO-15

Aliquot ID: **A17224-001** Matrix: **Air**

Description: **Beniteau**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
‡ 1. Acetone	U		µg/m3	36	1.0	09/15/23	VK23115A	09/15/23 21:53	VK23115A	CM
2. Benzene	U		µg/m3	2.9	1.0	09/15/23	VK23115A	09/15/23 21:53	VK23115A	CM
3. Benzyl Chloride	U		µg/m3	0.41	1.0	09/15/23	VK23115A	09/15/23 21:53	VK23115A	CM
4. Bromodichloromethane	U		µg/m3	0.80	1.0	09/15/23	VK23115A	09/15/23 21:53	VK23115A	CM
5. Bromoform	U		µg/m3	15	1.0	09/15/23	VK23115A	09/15/23 21:53	VK23115A	CM
6. Bromomethane	U		µg/m3	3.5	1.0	09/15/23	VK23115A	09/15/23 21:53	VK23115A	CM
7. 1,3-Butadiene	U		µg/m3	0.66	1.0	09/15/23	VK23115A	09/15/23 21:53	VK23115A	CM
8. 2-Butanone	U		µg/m3	8.8	1.0	09/15/23	VK23115A	09/15/23 21:53	VK23115A	CM
‡ 9. Carbon Disulfide	U		µg/m3	19	1.0	09/15/23	VK23115A	09/15/23 21:53	VK23115A	CM
10. Carbon Tetrachloride	U		µg/m3	0.75	1.0	09/15/23	VK23115A	09/15/23 21:53	VK23115A	CM
11. Chlorobenzene	U		µg/m3	14	1.0	09/15/23	VK23115A	09/15/23 21:53	VK23115A	CM
12. Chloroethane	U		µg/m3	4.0	1.0	09/15/23	VK23115A	09/15/23 21:53	VK23115A	CM
13. Chloroform	U		µg/m3	0.59	1.0	09/15/23	VK23115A	09/15/23 21:53	VK23115A	CM
14. Chloromethane	U		µg/m3	12	1.0	09/15/23	VK23115A	09/15/23 21:53	VK23115A	CM
15. Cyclohexane	U		µg/m3	10	1.0	09/15/23	VK23115A	09/15/23 21:53	VK23115A	CM
16. Dibromochloromethane	U		µg/m3	0.68	1.0	09/15/23	VK23115A	09/15/23 21:53	VK23115A	CM
17. 1,2-Dichlorobenzene	U		µg/m3	9.0	1.0	09/15/23	VK23115A	09/15/23 21:53	VK23115A	CM
18. 1,3-Dichlorobenzene	U		µg/m3	1.8	1.0	09/15/23	VK23115A	09/15/23 21:53	VK23115A	CM
19. 1,4-Dichlorobenzene	U		µg/m3	1.8	1.0	09/15/23	VK23115A	09/15/23 21:53	VK23115A	CM
20. Dichlorodifluoromethane	U		µg/m3	15	1.0	09/15/23	VK23115A	09/15/23 21:53	VK23115A	CM
21. 1,1-Dichloroethane	U		µg/m3	6.1	1.0	09/15/23	VK23115A	09/15/23 21:53	VK23115A	CM
22. 1,2-Dichloroethane	U		µg/m3	0.49	1.0	09/15/23	VK23115A	09/15/23 21:53	VK23115A	CM
23. 1,1-Dichloroethene	U		µg/m3	5.9	1.0	09/15/23	VK23115A	09/15/23 21:53	VK23115A	CM
24. cis-1,2-Dichloroethene	U		µg/m3	5.9	1.0	09/15/23	VK23115A	09/15/23 21:53	VK23115A	CM
25. trans-1,2-Dichloroethene	U		µg/m3	5.9	1.0	09/15/23	VK23115A	09/15/23 21:53	VK23115A	CM
26. 1,2-Dichloropropane	U		µg/m3	1.4	1.0	09/15/23	VK23115A	09/15/23 21:53	VK23115A	CM
27. cis-1,3-Dichloropropene	U		µg/m3	1.4	1.0	09/15/23	VK23115A	09/15/23 21:53	VK23115A	CM
28. trans-1,3-Dichloropropene	U		µg/m3	1.4	1.0	09/15/23	VK23115A	09/15/23 21:53	VK23115A	CM
29. 1,4-Dioxane	U		µg/m3	5.4	1.0	09/15/23	VK23115A	09/15/23 21:53	VK23115A	CM
‡ 30. Ethyl Acetate	U		µg/m3	11	1.0	09/15/23	VK23115A	09/15/23 21:53	VK23115A	CM
31. Ethylbenzene	U		µg/m3	6.5	1.0	09/15/23	VK23115A	09/15/23 21:53	VK23115A	CM
32. Ethylene Dibromide	U		µg/m3	0.23	1.0	09/15/23	VK23115A	09/15/23 21:53	VK23115A	CM
33. n-Heptane	U		µg/m3	12	1.0	09/15/23	VK23115A	09/15/23 21:53	VK23115A	CM
34. Hexachlorobutadiene	U		µg/m3	1.3	1.0	09/15/23	VK23115A	09/15/23 21:53	VK23115A	CM
35. n-Hexane	U		µg/m3	11	1.0	09/15/23	VK23115A	09/15/23 21:53	VK23115A	CM
‡ 36. 2-Hexanone	U		µg/m3	12	1.0	09/15/23	VK23115A	09/15/23 21:53	VK23115A	CM

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Client Identification: NTH Consultants, Ltd. - Northville	Sample Description: Beniteau	Chain of Custody: 220201
Client Project Name: FCA/Stellantis Project (23001494-01)	Sample No: A-15	Collect Date: 09/12/23
Client Project No: 23001494-01	Sample Matrix: Air	Collect Time: NA

Sample Comments:

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

TO-15 (Summa)
Method: EPA TO-15

Aliquot ID: **A17224-001** Matrix: **Air**
Description: **Beniteau**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
‡ 37. Isopropanol	U		µg/m3	15	1.0	09/15/23	VK23115A	09/15/23 21:53	VK23115A	CM
38. 4-Methyl-2-pentanone	U		µg/m3	12	1.0	09/15/23	VK23115A	09/15/23 21:53	VK23115A	CM
39. Methylene Chloride	U		µg/m3	21	1.0	09/15/23	VK23115A	09/15/23 21:53	VK23115A	CM
40. MTBE	U		µg/m3	5.4	1.0	09/15/23	VK23115A	09/15/23 21:53	VK23115A	CM
‡ 41. Naphthalene	U		µg/m3	1.6	1.0	09/15/23	VK23115A	09/15/23 21:53	VK23115A	CM
42. Styrene	U		µg/m3	13	1.0	09/15/23	VK23115A	09/15/23 21:53	VK23115A	CM
43. 1,1,2,2-Tetrachloroethane	U		µg/m3	0.21	1.0	09/15/23	VK23115A	09/15/23 21:53	VK23115A	CM
44. Tetrachloroethene	U		µg/m3	6.1	1.0	09/15/23	VK23115A	09/15/23 21:53	VK23115A	CM
‡ 45. Tetrahydrofuran	U		µg/m3	4.4	1.0	09/15/23	VK23115A	09/15/23 21:53	VK23115A	CM
46. Toluene	U		µg/m3	5.7	1.0	09/15/23	VK23115A	09/15/23 21:53	VK23115A	CM
47. 1,2,4-Trichlorobenzene	U		µg/m3	5.9	1.0	09/15/23	VK23115A	09/15/23 21:53	VK23115A	CM
48. 1,1,1-Trichloroethane	U		µg/m3	8.2	1.0	09/15/23	VK23115A	09/15/23 21:53	VK23115A	CM
49. 1,1,2-Trichloroethane	U		µg/m3	0.65	1.0	09/15/23	VK23115A	09/15/23 21:53	VK23115A	CM
50. Trichloroethene	U		µg/m3	0.16	1.0	09/15/23	VK23115A	09/15/23 21:53	VK23115A	CM
51. Trichlorofluoromethane	U		µg/m3	8.4	1.0	09/15/23	VK23115A	09/15/23 21:53	VK23115A	CM
‡ 52. 1,1,2-Trichlorotrifluoroethane	U		µg/m3	23	1.0	09/15/23	VK23115A	09/15/23 21:53	VK23115A	CM
53. 1,2,4-Trimethylbenzene	U		µg/m3	4.4	1.0	09/15/23	VK23115A	09/15/23 21:53	VK23115A	CM
54. 1,3,5-Trimethylbenzene	U		µg/m3	4.4	1.0	09/15/23	VK23115A	09/15/23 21:53	VK23115A	CM
55. Vinyl Acetate	U		µg/m3	11	1.0	09/15/23	VK23115A	09/15/23 21:53	VK23115A	CM
56. Vinyl Chloride	U		µg/m3	0.77	1.0	09/15/23	VK23115A	09/15/23 21:53	VK23115A	CM
57. m&p-Xylene	U		µg/m3	13	1.0	09/15/23	VK23115A	09/15/23 21:53	VK23115A	CM
58. o-Xylene	U		µg/m3	13	1.0	09/15/23	VK23115A	09/15/23 21:53	VK23115A	CM
‡ 59. Xylenes	U		µg/m3	26	1.0	09/15/23	VK23115A	09/15/23 21:53	VK23115A	CM

Surrogate Summary

			Control Limits	Instrument	Batch	Run Time	Column	Inst. Method
4-Bromofluorobenzene(S)	89	%	80-120	VK	VK23115A	9/15/2023 21:53	1	VK400

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Client Identification: NTH Consultants, Ltd. - Northville	Sample Description: Beniteau	Chain of Custody: 220201
Client Project Name: FCA/Stellantis Project (23001494-01)	Sample No: A-25	Collect Date: 09/12/23
Client Project No: 23001494-01	Sample Matrix: Air	Collect Time: NA

Sample Comments:

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

TO-15 (Summa)

Method: EPA TO-15

Aliquot ID: **A17224-002** Matrix: **Air**

Description: **Beniteau**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
‡ 1. Acetone	U		µg/m3	36	1.0	09/15/23	VK23115A	09/15/23 22:46	VK23115A	CM
2. Benzene	U		µg/m3	2.9	1.0	09/15/23	VK23115A	09/15/23 22:46	VK23115A	CM
3. Benzyl Chloride	U		µg/m3	0.41	1.0	09/15/23	VK23115A	09/15/23 22:46	VK23115A	CM
4. Bromodichloromethane	U		µg/m3	0.80	1.0	09/15/23	VK23115A	09/15/23 22:46	VK23115A	CM
5. Bromoform	U		µg/m3	15	1.0	09/15/23	VK23115A	09/15/23 22:46	VK23115A	CM
6. Bromomethane	U		µg/m3	3.5	1.0	09/15/23	VK23115A	09/15/23 22:46	VK23115A	CM
7. 1,3-Butadiene	U		µg/m3	0.66	1.0	09/15/23	VK23115A	09/15/23 22:46	VK23115A	CM
8. 2-Butanone	U		µg/m3	8.8	1.0	09/15/23	VK23115A	09/15/23 22:46	VK23115A	CM
‡ 9. Carbon Disulfide	U		µg/m3	19	1.0	09/15/23	VK23115A	09/15/23 22:46	VK23115A	CM
10. Carbon Tetrachloride	U		µg/m3	0.75	1.0	09/15/23	VK23115A	09/15/23 22:46	VK23115A	CM
11. Chlorobenzene	U		µg/m3	14	1.0	09/15/23	VK23115A	09/15/23 22:46	VK23115A	CM
12. Chloroethane	U		µg/m3	4.0	1.0	09/15/23	VK23115A	09/15/23 22:46	VK23115A	CM
13. Chloroform	U		µg/m3	0.59	1.0	09/15/23	VK23115A	09/15/23 22:46	VK23115A	CM
14. Chloromethane	U		µg/m3	12	1.0	09/15/23	VK23115A	09/15/23 22:46	VK23115A	CM
15. Cyclohexane	U		µg/m3	10	1.0	09/15/23	VK23115A	09/15/23 22:46	VK23115A	CM
16. Dibromochloromethane	U		µg/m3	0.68	1.0	09/15/23	VK23115A	09/15/23 22:46	VK23115A	CM
17. 1,2-Dichlorobenzene	U		µg/m3	9.0	1.0	09/15/23	VK23115A	09/15/23 22:46	VK23115A	CM
18. 1,3-Dichlorobenzene	U		µg/m3	1.8	1.0	09/15/23	VK23115A	09/15/23 22:46	VK23115A	CM
19. 1,4-Dichlorobenzene	U		µg/m3	1.8	1.0	09/15/23	VK23115A	09/15/23 22:46	VK23115A	CM
20. Dichlorodifluoromethane	U		µg/m3	15	1.0	09/15/23	VK23115A	09/15/23 22:46	VK23115A	CM
21. 1,1-Dichloroethane	U		µg/m3	6.1	1.0	09/15/23	VK23115A	09/15/23 22:46	VK23115A	CM
22. 1,2-Dichloroethane	U		µg/m3	0.49	1.0	09/15/23	VK23115A	09/15/23 22:46	VK23115A	CM
23. 1,1-Dichloroethene	U		µg/m3	5.9	1.0	09/15/23	VK23115A	09/15/23 22:46	VK23115A	CM
24. cis-1,2-Dichloroethene	U		µg/m3	5.9	1.0	09/15/23	VK23115A	09/15/23 22:46	VK23115A	CM
25. trans-1,2-Dichloroethene	U		µg/m3	5.9	1.0	09/15/23	VK23115A	09/15/23 22:46	VK23115A	CM
26. 1,2-Dichloropropane	U		µg/m3	1.4	1.0	09/15/23	VK23115A	09/15/23 22:46	VK23115A	CM
27. cis-1,3-Dichloropropene	U		µg/m3	1.4	1.0	09/15/23	VK23115A	09/15/23 22:46	VK23115A	CM
28. trans-1,3-Dichloropropene	U		µg/m3	1.4	1.0	09/15/23	VK23115A	09/15/23 22:46	VK23115A	CM
29. 1,4-Dioxane	U		µg/m3	5.4	1.0	09/15/23	VK23115A	09/15/23 22:46	VK23115A	CM
‡ 30. Ethyl Acetate	U		µg/m3	11	1.0	09/15/23	VK23115A	09/15/23 22:46	VK23115A	CM
31. Ethylbenzene	U		µg/m3	6.5	1.0	09/15/23	VK23115A	09/15/23 22:46	VK23115A	CM
32. Ethylene Dibromide	U		µg/m3	0.23	1.0	09/15/23	VK23115A	09/15/23 22:46	VK23115A	CM
33. n-Heptane	U		µg/m3	12	1.0	09/15/23	VK23115A	09/15/23 22:46	VK23115A	CM
34. Hexachlorobutadiene	U		µg/m3	1.3	1.0	09/15/23	VK23115A	09/15/23 22:46	VK23115A	CM
35. n-Hexane	U		µg/m3	11	1.0	09/15/23	VK23115A	09/15/23 22:46	VK23115A	CM
‡ 36. 2-Hexanone	U		µg/m3	12	1.0	09/15/23	VK23115A	09/15/23 22:46	VK23115A	CM

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Client Project Name: FCA/Stellantis Project (23001494-01)	Sample No: A-25	Collect Date: 09/12/23
Client Project No: 23001494-01	Sample Matrix: Air	Collect Time: NA

Sample Comments:

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

TO-15 (Summa)

Method: EPA TO-15

Aliquot ID: **A17224-002** Matrix: **Air**

Description: **Beniteau**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
† 37. Isopropanol	U		µg/m3	15	1.0	09/15/23	VK23115A	09/15/23 22:46	VK23115A	CM
38. 4-Methyl-2-pentanone	U		µg/m3	12	1.0	09/15/23	VK23115A	09/15/23 22:46	VK23115A	CM
39. Methylene Chloride	U		µg/m3	21	1.0	09/15/23	VK23115A	09/15/23 22:46	VK23115A	CM
40. MTBE	U		µg/m3	5.4	1.0	09/15/23	VK23115A	09/15/23 22:46	VK23115A	CM
† 41. Naphthalene	U		µg/m3	1.6	1.0	09/15/23	VK23115A	09/15/23 22:46	VK23115A	CM
42. Styrene	U		µg/m3	13	1.0	09/15/23	VK23115A	09/15/23 22:46	VK23115A	CM
43. 1,1,2,2-Tetrachloroethane	U		µg/m3	0.21	1.0	09/15/23	VK23115A	09/15/23 22:46	VK23115A	CM
44. Tetrachloroethene	U		µg/m3	6.1	1.0	09/15/23	VK23115A	09/15/23 22:46	VK23115A	CM
† 45. Tetrahydrofuran	U		µg/m3	4.4	1.0	09/15/23	VK23115A	09/15/23 22:46	VK23115A	CM
46. Toluene	U		µg/m3	5.7	1.0	09/15/23	VK23115A	09/15/23 22:46	VK23115A	CM
47. 1,2,4-Trichlorobenzene	U		µg/m3	5.9	1.0	09/15/23	VK23115A	09/15/23 22:46	VK23115A	CM
48. 1,1,1-Trichloroethane	U		µg/m3	8.2	1.0	09/15/23	VK23115A	09/15/23 22:46	VK23115A	CM
49. 1,1,2-Trichloroethane	U		µg/m3	0.65	1.0	09/15/23	VK23115A	09/15/23 22:46	VK23115A	CM
50. Trichloroethene	U		µg/m3	0.16	1.0	09/15/23	VK23115A	09/15/23 22:46	VK23115A	CM
51. Trichlorofluoromethane	U		µg/m3	8.4	1.0	09/15/23	VK23115A	09/15/23 22:46	VK23115A	CM
† 52. 1,1,2-Trichlorotrifluoroethane	U		µg/m3	23	1.0	09/15/23	VK23115A	09/15/23 22:46	VK23115A	CM
53. 1,2,4-Trimethylbenzene	U		µg/m3	4.4	1.0	09/15/23	VK23115A	09/15/23 22:46	VK23115A	CM
54. 1,3,5-Trimethylbenzene	U		µg/m3	4.4	1.0	09/15/23	VK23115A	09/15/23 22:46	VK23115A	CM
55. Vinyl Acetate	U		µg/m3	11	1.0	09/15/23	VK23115A	09/15/23 22:46	VK23115A	CM
56. Vinyl Chloride	U		µg/m3	0.77	1.0	09/15/23	VK23115A	09/15/23 22:46	VK23115A	CM
57. m&p-Xylene	U		µg/m3	13	1.0	09/15/23	VK23115A	09/15/23 22:46	VK23115A	CM
58. o-Xylene	U		µg/m3	13	1.0	09/15/23	VK23115A	09/15/23 22:46	VK23115A	CM
† 59. Xylenes	U		µg/m3	26	1.0	09/15/23	VK23115A	09/15/23 22:46	VK23115A	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)	89	%	80-120	VK	VK23115A	9/15/2023 22:46	1	VK400

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F: (231) 775-8584

Client Identification: NTH Consultants, Ltd. - Northville	Sample Description: █ Cope	Chain of Custody: 220201
Client Project Name: FCA/Stellantis Project (23001494-01)	Sample No: A-35	Collect Date: 09/12/23
Client Project No: 23001494-01	Sample Matrix: Air	Collect Time: NA

Sample Comments:

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

TO-15 (Summa)

Method: EPA TO-15

Aliquot ID: **A17224-003**

Matrix: **Air**

Description: **█ Cope**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
‡ 1. Acetone	U		µg/m3	36	1.0	09/15/23	VK23115A	09/15/23 23:39	VK23115A	CM
2. Benzene	U		µg/m3	2.9	1.0	09/15/23	VK23115A	09/15/23 23:39	VK23115A	CM
3. Benzyl Chloride	U		µg/m3	0.41	1.0	09/15/23	VK23115A	09/15/23 23:39	VK23115A	CM
4. Bromodichloromethane	U		µg/m3	0.80	1.0	09/15/23	VK23115A	09/15/23 23:39	VK23115A	CM
5. Bromoform	U		µg/m3	15	1.0	09/15/23	VK23115A	09/15/23 23:39	VK23115A	CM
6. Bromomethane	U		µg/m3	3.5	1.0	09/15/23	VK23115A	09/15/23 23:39	VK23115A	CM
7. 1,3-Butadiene	U		µg/m3	0.66	1.0	09/15/23	VK23115A	09/15/23 23:39	VK23115A	CM
8. 2-Butanone	U		µg/m3	8.8	1.0	09/15/23	VK23115A	09/15/23 23:39	VK23115A	CM
‡ 9. Carbon Disulfide	U		µg/m3	19	1.0	09/15/23	VK23115A	09/15/23 23:39	VK23115A	CM
10. Carbon Tetrachloride	U		µg/m3	0.75	1.0	09/15/23	VK23115A	09/15/23 23:39	VK23115A	CM
11. Chlorobenzene	U		µg/m3	14	1.0	09/15/23	VK23115A	09/15/23 23:39	VK23115A	CM
12. Chloroethane	U		µg/m3	4.0	1.0	09/15/23	VK23115A	09/15/23 23:39	VK23115A	CM
13. Chloroform	U		µg/m3	0.59	1.0	09/15/23	VK23115A	09/15/23 23:39	VK23115A	CM
14. Chloromethane	U		µg/m3	12	1.0	09/15/23	VK23115A	09/15/23 23:39	VK23115A	CM
15. Cyclohexane	U		µg/m3	10	1.0	09/15/23	VK23115A	09/15/23 23:39	VK23115A	CM
16. Dibromochloromethane	U		µg/m3	0.68	1.0	09/15/23	VK23115A	09/15/23 23:39	VK23115A	CM
17. 1,2-Dichlorobenzene	U		µg/m3	9.0	1.0	09/15/23	VK23115A	09/15/23 23:39	VK23115A	CM
18. 1,3-Dichlorobenzene	U		µg/m3	1.8	1.0	09/15/23	VK23115A	09/15/23 23:39	VK23115A	CM
19. 1,4-Dichlorobenzene	U		µg/m3	1.8	1.0	09/15/23	VK23115A	09/15/23 23:39	VK23115A	CM
20. Dichlorodifluoromethane	U		µg/m3	15	1.0	09/15/23	VK23115A	09/15/23 23:39	VK23115A	CM
21. 1,1-Dichloroethane	U		µg/m3	6.1	1.0	09/15/23	VK23115A	09/15/23 23:39	VK23115A	CM
22. 1,2-Dichloroethane	U		µg/m3	0.49	1.0	09/15/23	VK23115A	09/15/23 23:39	VK23115A	CM
23. 1,1-Dichloroethene	U		µg/m3	5.9	1.0	09/15/23	VK23115A	09/15/23 23:39	VK23115A	CM
24. cis-1,2-Dichloroethene	U		µg/m3	5.9	1.0	09/15/23	VK23115A	09/15/23 23:39	VK23115A	CM
25. trans-1,2-Dichloroethene	U		µg/m3	5.9	1.0	09/15/23	VK23115A	09/15/23 23:39	VK23115A	CM
26. 1,2-Dichloropropane	U		µg/m3	1.4	1.0	09/15/23	VK23115A	09/15/23 23:39	VK23115A	CM
27. cis-1,3-Dichloropropene	U		µg/m3	1.4	1.0	09/15/23	VK23115A	09/15/23 23:39	VK23115A	CM
28. trans-1,3-Dichloropropene	U		µg/m3	1.4	1.0	09/15/23	VK23115A	09/15/23 23:39	VK23115A	CM
29. 1,4-Dioxane	U		µg/m3	5.4	1.0	09/15/23	VK23115A	09/15/23 23:39	VK23115A	CM
‡ 30. Ethyl Acetate	U		µg/m3	11	1.0	09/15/23	VK23115A	09/15/23 23:39	VK23115A	CM
31. Ethylbenzene	U		µg/m3	6.5	1.0	09/15/23	VK23115A	09/15/23 23:39	VK23115A	CM
32. Ethylene Dibromide	U		µg/m3	0.23	1.0	09/15/23	VK23115A	09/15/23 23:39	VK23115A	CM
33. n-Heptane	U		µg/m3	12	1.0	09/15/23	VK23115A	09/15/23 23:39	VK23115A	CM
34. Hexachlorobutadiene	U		µg/m3	1.3	1.0	09/15/23	VK23115A	09/15/23 23:39	VK23115A	CM
35. n-Hexane	U		µg/m3	11	1.0	09/15/23	VK23115A	09/15/23 23:39	VK23115A	CM
‡ 36. 2-Hexanone	U		µg/m3	12	1.0	09/15/23	VK23115A	09/15/23 23:39	VK23115A	CM

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Client Identification: NTH Consultants, Ltd. - Northville	Sample Description: █ Cope	Chain of Custody: 220201
Client Project Name: FCA/Stellantis Project (23001494-01)	Sample No: A-35	Collect Date: 09/12/23
Client Project No: 23001494-01	Sample Matrix: Air	Collect Time: NA

Sample Comments:

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

TO-15 (Summa)

Method: EPA TO-15

Aliquot ID: **A17224-003**

Matrix: **Air**

Description: **█ Cope**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
‡ 37. Isopropanol	U		µg/m3	15	1.0	09/15/23	VK23115A	09/15/23 23:39	VK23115A	CM
38. 4-Methyl-2-pentanone	U		µg/m3	12	1.0	09/15/23	VK23115A	09/15/23 23:39	VK23115A	CM
39. Methylene Chloride	U		µg/m3	21	1.0	09/15/23	VK23115A	09/15/23 23:39	VK23115A	CM
40. MTBE	U		µg/m3	5.4	1.0	09/15/23	VK23115A	09/15/23 23:39	VK23115A	CM
‡ 41. Naphthalene	U		µg/m3	1.6	1.0	09/15/23	VK23115A	09/15/23 23:39	VK23115A	CM
42. Styrene	U		µg/m3	13	1.0	09/15/23	VK23115A	09/15/23 23:39	VK23115A	CM
43. 1,1,2,2-Tetrachloroethane	U		µg/m3	0.21	1.0	09/15/23	VK23115A	09/15/23 23:39	VK23115A	CM
44. Tetrachloroethene	U		µg/m3	6.1	1.0	09/15/23	VK23115A	09/15/23 23:39	VK23115A	CM
‡ 45. Tetrahydrofuran	U		µg/m3	4.4	1.0	09/15/23	VK23115A	09/15/23 23:39	VK23115A	CM
46. Toluene	U		µg/m3	5.7	1.0	09/15/23	VK23115A	09/15/23 23:39	VK23115A	CM
47. 1,2,4-Trichlorobenzene	U		µg/m3	5.9	1.0	09/15/23	VK23115A	09/15/23 23:39	VK23115A	CM
48. 1,1,1-Trichloroethane	U		µg/m3	8.2	1.0	09/15/23	VK23115A	09/15/23 23:39	VK23115A	CM
49. 1,1,2-Trichloroethane	U		µg/m3	0.65	1.0	09/15/23	VK23115A	09/15/23 23:39	VK23115A	CM
50. Trichloroethene	U		µg/m3	0.16	1.0	09/15/23	VK23115A	09/15/23 23:39	VK23115A	CM
51. Trichlorofluoromethane	U		µg/m3	8.4	1.0	09/15/23	VK23115A	09/15/23 23:39	VK23115A	CM
‡ 52. 1,1,2-Trichlorotrifluoroethane	U		µg/m3	23	1.0	09/15/23	VK23115A	09/15/23 23:39	VK23115A	CM
53. 1,2,4-Trimethylbenzene	U		µg/m3	4.4	1.0	09/15/23	VK23115A	09/15/23 23:39	VK23115A	CM
54. 1,3,5-Trimethylbenzene	U		µg/m3	4.4	1.0	09/15/23	VK23115A	09/15/23 23:39	VK23115A	CM
55. Vinyl Acetate	U		µg/m3	11	1.0	09/15/23	VK23115A	09/15/23 23:39	VK23115A	CM
56. Vinyl Chloride	U		µg/m3	0.77	1.0	09/15/23	VK23115A	09/15/23 23:39	VK23115A	CM
57. m&p-Xylene	U		µg/m3	13	1.0	09/15/23	VK23115A	09/15/23 23:39	VK23115A	CM
58. o-Xylene	U		µg/m3	13	1.0	09/15/23	VK23115A	09/15/23 23:39	VK23115A	CM
‡ 59. Xylenes	U		µg/m3	26	1.0	09/15/23	VK23115A	09/15/23 23:39	VK23115A	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)	90	%	80-120	VK	VK23115A	9/15/2023 23:39	1	VK400

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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.

Exception Summary:

Analysis Locations:

All analyses performed in Holt.



Accreditation Number(s):

T104704518-23-15 (TX)

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VK23115A: Method Blank (MB)

EPA TO-15

Run Time: VK23115A.MB 09/15/2023 12:44 [VK23115A]

Analyte	MB Result	MB Qualifier	MB RDL
	µg/m3		µg/m3
Acetone	U		36
Benzene	U		2.9
Benzyl Chloride	U		0.41
Bromodichloromethane	U		0.80
Bromoform	U		15
Bromomethane	U		3.5
1,3-Butadiene	U		0.66
2-Butanone	U		8.8
Carbon Disulfide	U		19
Carbon Tetrachloride	U		0.75
Chlorobenzene	U		14
Chloroethane	U		4.0
Chloroform	U		0.59
Chloromethane	U		12
Cyclohexane	U		10
Dibromochloromethane	U		0.68
1,2-Dichlorobenzene	U		9.0
1,3-Dichlorobenzene	U		1.8
1,4-Dichlorobenzene	U		1.8
Dichlorodifluoromethane	U		15
1,1-Dichloroethane	U		6.1
1,2-Dichloroethane	U		0.49
1,1-Dichloroethene	U		5.9
cis-1,2-Dichloroethene	U		5.9
trans-1,2-Dichloroethene	U		5.9
1,2-Dichloropropane	U		1.4
cis-1,3-Dichloropropene	U		1.4
trans-1,3-Dichloropropene	U		1.4
1,4-Dioxane	U		5.4
E hyl Acetate	U		11
E hylbenzene	U		6.5

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VK23I15A: Method Blank (MB)

EPA TO-15

Run Time: VK23I15A.MB 09/15/2023 12:44 [VK23I15A]

Analyte	MB Result	MB Qualifier	MB RDL
	µg/m3		µg/m3
E hylene Dibromide	U		0.23
n-Heptane	U		12
Hexachlorobutadiene	U		1.3
n-Hexane	U		11
2-Hexanone	U		12
Isopropanol	U		15
4-Me hyl-2-pentanone	U		12
Methylene Chloride	U		21
MTBE	U		5.4
Naph halene	U		1.6
Styrene	U		13
1,1,2,2-Tetrachloroethane	U		0.21
Tetrachloroethene	U		6.1
Tetrahydrofuran	U		4.4
Toluene	U		5.7
1,2,4-Trichlorobenzene	U		5.9
1,1,1-Trichloroethane	U		8.2
1,1,2-Trichloroethane	U		0.65
Trichloroethene	U		0.16
Trichlorofluoromethane	U		8.4
1,1,2-Trichlorotrifluoroethane	U		23
1,2,4-Trimethylbenzene	U		4.4
1,3,5-Trimethylbenzene	U		4.4
Vinyl Acetate	U		11
Vinyl Chloride	U		0.77
m&p-Xylene	U		13
o-Xylene	U		13
4-Bromofluorobenzene(S)	91		80-120

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VK23I15A: Laboratory Control Sample (LCS)/Laboratory Control Sample Duplicate (LCSD)

EPA TO-15

Run Time: VK23I15A.LCS: 09/15/2023 10:12 [VK23I15A] VK23I15A.LCSD: 09/15/2023 11:02 [VK23I15A]

Analyte	LCS	LCS Result	LCS Rec.	Rec. Limits	LCS	LCSD	LCSD	LCSD	LCSD	RPD	RPD Limits	RPD
	Spike Amount				Qualifier	Spike Amount	Result	Rec.	Qualifier	%	%	Qualifier
	µg/m3	µg/m3	%	%		µg/m3	µg/m3	%		%	%	
Acetone	31.2	31.1	100	70-130		31.2	31.6	101		1	20	
Benzene	42.7	39.3	92	70-130		42.7	38.2	89		3	20	
Benzyl Chloride	66.6	52.7	79	70-150		66.6	53.1	80		1	20	
Bromodichloromethane	87.9	83.8	95	70-130		87.9	82.5	94		1	20	
Bromoform	134	122	91	70-138		134	120	89		2	20	
Bromomethane	51.4	51.0	99	70-133		51.4	50.3	98		1	20	
1,3-Butadiene	29.6	27.0	91	70-134		29.6	26.7	90		1	20	
2-Butanone	39.8	36.6	92	70-130		39.8	35.8	90		2	20	
Carbon Disulfide	41.2	37.7	91	70-130		41.2	37.3	91		0	20	
Carbon Tetrachloride	80.2	88.7	111	70-131		80.2	86.8	108		3	20	
Chlorobenzene	61.5	52.2	85	70-130		61.5	53.4	87		2	20	
Chloroethane	34.9	33.1	95	70-130		34.9	32.8	94		1	20	
Chloroform	64.7	63.5	98	70-130		64.7	63.1	98		0	20	
Chloromethane	27.1	23.4	87	70-130		27.1	23.7	88		1	20	
Cyclohexane	45.6	41.7	91	70-130		45.6	40.0	88		3	20	
Dibromochloromethane	113	98.9	88	70-135		113	98.8	88		0	20	
1,2-Dichlorobenzene	75.9	68.7	91	70-130		75.9	69.6	92		1	20	
1,3-Dichlorobenzene	76.6	71.3	93	70-131		76.6	72.6	95		2	20	
1,4-Dichlorobenzene	75.9	69.9	92	70-134		75.9	70.7	93		1	20	
Dichlorodifluoromethane	65.5	64.2	98	70-132		65.5	64.8	99		1	20	
1,1-Dichloroethane	53.6	48.4	90	70-130		53.6	48.4	90		0	20	
1,2-Dichloroethane	54.1	57.0	105	70-130		54.1	56.0	103		2	20	
1,1-Dichloroethene	54.0	53.1	98	70-133		54.0	58.2	108		10	20	
cis-1,2-Dichloroethene	53.0	50.6	95	70-130		53.0	50.5	95		0	20	
trans-1,2-Dichloroethene	53.0	49.9	94	70-130		53.0	50.4	95		1	20	
1,2-Dichloropropane	61.8	54.1	88	70-130		61.8	52.5	85		3	20	
cis-1,3-Dichloropropene	60.7	54.4	90	70-131		60.7	52.7	87		3	20	
trans-1,3-Dichloropropene	59.5	56.0	94	70-134		59.5	55.5	93		1	20	
1,4-Dioxane	47.3	43.0	91	70-130		47.3	41.8	88		3	20	
E hyl Acetate	47.3	41.7	88	70-130		47.3	42.7	90		2	20	
E hylbenzene	57.5	49.4	86	70-130		57.5	49.6	86		0	20	

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VK23I15A: Laboratory Control Sample (LCS)/Laboratory Control Sample Duplicate (LCSD)

EPA TO-15

Run Time: VK23I15A.LCS: 09/15/2023 10:12 [VK23I15A] VK23I15A.LCSD: 09/15/2023 11:02 [VK23I15A]

Analyte	LCS Spike Amount µg/m3	LCS Result µg/m3	LCS Rec. %	Rec. Limits %	LCS Qualifier	LCSD Spike Amount µg/m3	LCSD Result µg/m3	LCSD Rec. %	LCSD Qualifier	RPD %	RPD Limits %	RPD Qualifier
E hylene Dibromide	102	75.6	74	70-130		102	75.5	74		0	20	
n-Heptane	54.3	52.7	97	70-132		54.3	50.7	93		4	20	
Hexachlorobutadiene	123	116	95	70-134		123	118	96		1	20	
n-Hexane	48.0	42.0	87	70-130		48.0	42.2	88		1	20	
2-Hexanone	55.3	49.2	89	70-139		55.3	48.8	88		1	20	
Isopropanol	33.5	31.7	95	54-144		33.5	31.2	93		2	20	
4-Me hyl-2-pentanone	54.3	49.2	91	70-130		54.3	46.3	85		7	20	
Methylene Chloride	44.7	45.4	102	70-132		44.7	45.5	102		0	20	
MTBE	48.2	46.1	96	70-130		48.2	45.6	95		1	20	
Naph halene	61.6	56.0	91	70-148		61.6	56.7	92		1	20	
Styrene	55.4	47.4	86	70-130		55.4	48.4	87		1	20	
1,1,2,2-Tetrachloroethane	90.1	64.4	71	70-130		90.1	64.2	71		0	20	
Tetrachloroethene	89.8	81.9	91	70-130		89.8	82.2	92		1	20	
Tetrahydrofuran	38.0	34.2	90	70-138		38.0	33.4	88		2	20	
Toluene	50.4	42.3	84	70-130		50.4	42.2	84		0	20	
1,2,4-Trichlorobenzene	83.5	80.5	96	70-140		83.5	82.8	99		3	20	
1,1,1-Trichloroethane	73.6	75.3	102	70-130		73.6	73.2	99		3	20	
1,1,2-Trichloroethane	72.9	59.6	82	70-130		72.9	60.9	84		2	20	
Trichloroethene	71.8	66.9	93	70-130		71.8	65.5	91		2	20	
Trichlorofluoromethane	73.7	87.3	118	70-132		73.7	86.6	117		1	20	
1,1,2-Trichlorotrifluoroethane	102	99.4	97	70-130		102	101	98		1	20	
1,2,4-Trimethylbenzene	62.7	54.1	86	70-132		62.7	54.2	87		1	20	
1,3,5-Trimethylbenzene	63.9	59.4	93	70-131		63.9	59.5	93		0	20	
Vinyl Acetate	48.4	43.2	89	70-131		48.4	42.6	88		1	20	
Vinyl Chloride	33.5	31.3	93	70-131		33.5	31.6	94		1	20	
m&p-Xylene	114	107	94	70-130		114	107	94		0	20	
o-Xylene	56.4	51.9	92	70-130		56.4	51.8	92		0	20	
4-Bromofluorobenzene(S)			92	80-120				91				

1914 Holloway Drive
11766 E. Grand River
8660 S. Mackinaw Trail

Holt, MI 48842
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T: (231) 775-8368

F: (517) 699-0388
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Definitions/Qualifiers:

- U: The analyte was not detected at or above the Reporting Limit (RL).
- *: Value reported is outside QC limits

Exception Summary:

Exceptions have been properly noted on reported results or affected samples have been scheduled for reanalysis when appropriate.

Report Generated By:



By Jacob Sutherland at 11:44 AM, Sep 19, 2023



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 11766 E. Grand River Rd.
 Brighton, MI 48116
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 Fax: 810 220 3311

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 8660 S. Mackinaw Trail
 Cadillac, MI 49601
 Phone: 231 775 8368
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 email: lab@fibertec.us



Client Name: <u>NTH Consultants</u>		Matrix Code		Deliverables	
Contact Person: <u>Christina Modi</u>		S Soil		Level 2	
Project Name/ Number: <u>23001494-01 FCA/Stellings</u>		A Air		Level 3	
Email distribution list: <u>b.modi@nthconsultants.com</u>		O Oil		Level 4	
Quote# <u>1397</u>		P Wipe		EDD	
Purchase Order#		X Other: Specify			
Date	Time	Sample #	Client Sample Descriptor	PARAMETERS	
<u>9/12</u>		<u>A-15</u>	<u>Beateau</u>	HOLD SAMPLE (SI - TO - IS)	
		<u>A-25</u>	<u>Beateau</u>		
		<u>A-35</u>	<u>Cape</u>		
Remarks:					
Comments:					
Sampled/Relinquished By: <u>[Signature]</u>		Date/ Time: <u>9/13/23 11:00am</u>		Received By: <u>[Signature]</u>	
Relinquished By:		Date/ Time:		Received By: Laboratory:	
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		_____ 4 bus. days	
_____ 5-7 bus. days (standard)		Other (specify time/date requirement): _____		Fibertec project number:	
				Temperature upon receipt at Lab:	
Please see back for terms and conditions					

LAB USE ONLY

Handwritten notes: 9/14/23 2:45