

Civitas - CO

Sample Delivery Group: L1772177
Samples Received: 08/28/2024
Project Number: CO045027
Description: State Seventy Holes P-4

Report To: Sam Vogt / Jacob Evans
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Entire Report Reviewed By:



Chris Ward
Project Manager

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Pace Analytical National

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¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

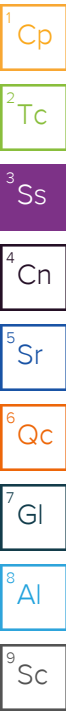
⁹ Sc

SAMPLE SUMMARY

DL-B01 @ 16' L1772177-01 Solid

Collected by: Angela Kirylo
 Collected date/time: 08/26/24 11:00
 Received date/time: 08/28/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2354925	1	09/02/24 08:04	09/02/24 21:31	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2354828	1	09/02/24 08:04	09/02/24 16:45	KSD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2356438	1	09/05/24 06:57	09/05/24 17:10	KKS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2355675	1	09/04/24 20:55	09/05/24 20:59	JCH	Mt. Juliet, TN



DL-B02 @ 16' L1772177-02 Solid

Collected by: Angela Kirylo
 Collected date/time: 08/26/24 11:02
 Received date/time: 08/28/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2354925	1	09/02/24 08:04	09/02/24 21:53	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2354828	1	09/02/24 08:04	09/02/24 17:06	KSD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2356438	1	09/05/24 06:57	09/05/24 20:57	KKS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2355675	1	09/04/24 20:55	09/05/24 21:17	JCH	Mt. Juliet, TN

DL-B03 @ 16' L1772177-03 Solid

Collected by: Angela Kirylo
 Collected date/time: 08/26/24 11:04
 Received date/time: 08/28/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2354925	1	09/02/24 08:04	09/02/24 22:16	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2354828	1	09/02/24 08:04	09/02/24 17:28	KSD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2356438	1	09/05/24 06:57	09/05/24 20:44	KKS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2355675	1	09/04/24 20:55	09/05/24 21:34	JCH	Mt. Juliet, TN

DL-B04 @ 16' L1772177-04 Solid

Collected by: Angela Kirylo
 Collected date/time: 08/26/24 11:06
 Received date/time: 08/28/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2354925	1	09/02/24 08:04	09/02/24 22:39	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2354828	1	09/02/24 08:04	09/02/24 17:50	KSD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2356438	1	09/05/24 06:57	09/05/24 21:10	KKS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2355675	1	09/04/24 20:55	09/05/24 21:52	JCH	Mt. Juliet, TN

DL-B05 @ 16' L1772177-05 Solid

Collected by: Angela Kirylo
 Collected date/time: 08/26/24 11:08
 Received date/time: 08/28/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2354925	1	09/02/24 08:04	09/02/24 23:02	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2354828	1	09/02/24 08:04	09/02/24 18:12	KSD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2356438	1	09/05/24 06:57	09/05/24 17:24	KKS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2355675	1	09/04/24 20:55	09/05/24 22:10	JCH	Mt. Juliet, TN

DL-B06 @ 16' L1772177-06 Solid

Collected by: Angela Kirylo
 Collected date/time: 08/26/24 11:10
 Received date/time: 08/28/24 09:00

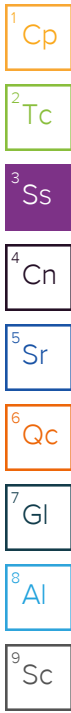
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2354925	1	09/02/24 08:04	09/02/24 23:24	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2354828	1	09/02/24 08:04	09/02/24 18:34	KSD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2356438	1	09/05/24 06:57	09/05/24 21:23	KKS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2355675	1	09/04/24 20:55	09/05/24 22:28	JCH	Mt. Juliet, TN

SAMPLE SUMMARY

DL-B07 @ 16' L1772177-07 Solid

Collected by: Angela Kirylo
 Collected date/time: 08/26/24 11:12
 Received date/time: 08/28/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2354925	1	09/02/24 08:04	09/02/24 23:58	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2354828	1	09/02/24 08:04	09/02/24 18:57	KSD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2356438	1	09/05/24 06:57	09/05/24 20:31	KKS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2355675	1	09/04/24 20:55	09/05/24 22:45	JCH	Mt. Juliet, TN



DL-B08 @ 16' L1772177-08 Solid

Collected by: Angela Kirylo
 Collected date/time: 08/26/24 11:14
 Received date/time: 08/28/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2354925	1	09/02/24 08:04	09/03/24 00:51	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2354828	1	09/02/24 08:04	09/02/24 19:19	KSD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2356438	1	09/05/24 06:57	09/05/24 17:54	KKS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2355675	1	09/04/24 20:55	09/05/24 23:03	JCH	Mt. Juliet, TN

DL-B09 @ 16' L1772177-09 Solid

Collected by: Angela Kirylo
 Collected date/time: 08/26/24 11:16
 Received date/time: 08/28/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2354925	1	09/02/24 08:04	09/03/24 01:13	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2354828	1	09/02/24 08:04	09/02/24 19:41	KSD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2356438	1	09/05/24 06:57	09/05/24 18:07	KKS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2355675	1	09/04/24 20:55	09/05/24 14:47	DSH	Mt. Juliet, TN

DL-B10 @ 16' L1772177-10 Solid

Collected by: Angela Kirylo
 Collected date/time: 08/26/24 11:18
 Received date/time: 08/28/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2354925	1	09/02/24 08:04	09/03/24 01:36	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2354828	1	09/02/24 08:04	09/02/24 20:03	KSD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2356438	1	09/05/24 06:57	09/05/24 18:20	KKS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2355675	1	09/04/24 20:55	09/05/24 15:04	DSH	Mt. Juliet, TN

DL-B11 @ 16' L1772177-11 Solid

Collected by: Angela Kirylo
 Collected date/time: 08/26/24 11:20
 Received date/time: 08/28/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2354925	1	09/02/24 08:04	09/03/24 01:59	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2354831	1	09/02/24 08:04	09/02/24 23:00	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2356438	1	09/05/24 06:57	09/05/24 18:33	KKS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2355675	1	09/04/24 20:55	09/05/24 15:56	DSH	Mt. Juliet, TN

DL-B12 @ 16' L1772177-12 Solid

Collected by: Angela Kirylo
 Collected date/time: 08/26/24 11:22
 Received date/time: 08/28/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2354925	1	09/02/24 08:04	09/03/24 02:22	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2354831	1	09/02/24 08:04	09/02/24 23:22	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2356438	1	09/05/24 06:57	09/05/24 18:46	KKS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2355675	1	09/04/24 20:55	09/05/24 16:13	DSH	Mt. Juliet, TN

SAMPLE SUMMARY

DL-N01 @ 8' L1772177-13 Solid

Collected by: Angela Kirylo
 Collected date/time: 08/26/24 11:24
 Received date/time: 08/28/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2354925	1	09/02/24 08:04	09/03/24 02:44	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2354831	1	09/02/24 08:04	09/02/24 23:45	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2356438	1	09/05/24 06:57	09/05/24 18:59	KKS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2355675	1	09/04/24 20:55	09/05/24 16:31	DSH	Mt. Juliet, TN

DL-N02 @ 8' L1772177-14 Solid

Collected by: Angela Kirylo
 Collected date/time: 08/26/24 11:26
 Received date/time: 08/28/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2354925	1	09/02/24 08:04	09/03/24 03:07	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2354831	1	09/02/24 08:04	09/03/24 00:07	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2356438	1	09/05/24 06:57	09/05/24 21:36	KKS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2355675	1	09/04/24 20:55	09/05/24 16:48	DSH	Mt. Juliet, TN

DL-N03 @ 8' L1772177-15 Solid

Collected by: Angela Kirylo
 Collected date/time: 08/26/24 11:28
 Received date/time: 08/28/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2354925	1	09/02/24 08:04	09/03/24 03:30	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2354831	1	09/02/24 08:04	09/03/24 00:29	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2356438	1	09/05/24 06:57	09/05/24 21:49	KKS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2355675	1	09/04/24 20:55	09/05/24 17:05	DSH	Mt. Juliet, TN

DL-N04 @ 8' L1772177-16 Solid

Collected by: Angela Kirylo
 Collected date/time: 08/26/24 11:30
 Received date/time: 08/28/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2355147	1	09/02/24 08:04	09/03/24 12:40	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2354831	1	09/02/24 08:04	09/03/24 00:52	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2356438	1	09/05/24 06:57	09/05/24 19:12	KKS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2355675	1	09/04/24 20:55	09/05/24 17:23	DSH	Mt. Juliet, TN

DL-N05 @ 8' L1772177-17 Solid

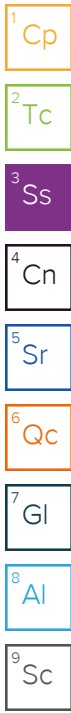
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 Collected date/time: 08/26/24 11:32
 Received date/time: 08/28/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2355147	1	09/02/24 08:04	09/03/24 13:03	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2354831	1	09/02/24 08:04	09/03/24 01:14	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2356438	1	09/05/24 06:57	09/05/24 19:25	KKS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2355675	1	09/04/24 20:55	09/06/24 15:56	MBE	Mt. Juliet, TN

DL-N06 @ 8' L1772177-18 Solid

Collected by: Angela Kirylo
 Collected date/time: 08/26/24 11:34
 Received date/time: 08/28/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2355147	1	09/02/24 10:06	09/03/24 13:26	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2354831	1	09/02/24 10:06	09/03/24 01:36	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2356438	1	09/05/24 06:57	09/05/24 19:38	KKS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2355675	1	09/04/24 20:55	09/06/24 16:14	MBE	Mt. Juliet, TN



SAMPLE SUMMARY

DL-S01 @ 8' L1772177-19 Solid

Collected by: Angela Kirylo
 Collected date/time: 08/26/24 11:36
 Received date/time: 08/28/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2355147	1	09/02/24 10:06	09/03/24 13:49	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2354831	1	09/02/24 10:06	09/03/24 01:59	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2356438	1	09/05/24 06:57	09/05/24 19:51	KKS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2355675	1	09/04/24 20:55	09/06/24 16:32	MBE	Mt. Juliet, TN

DL-S02 @ 8' L1772177-20 Solid

Collected by: Angela Kirylo
 Collected date/time: 08/26/24 11:38
 Received date/time: 08/28/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2355147	1	09/02/24 10:06	09/03/24 14:13	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2354831	1	09/02/24 10:06	09/03/24 02:21	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2356438	1	09/05/24 06:57	09/05/24 22:02	KKS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2355675	1	09/04/24 20:55	09/06/24 16:49	MBE	Mt. Juliet, TN

DL-S03 @ 8' L1772177-21 Solid

Collected by: Angela Kirylo
 Collected date/time: 08/26/24 11:40
 Received date/time: 08/28/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2356330	1	09/02/24 10:06	09/05/24 11:54	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2354831	1	09/02/24 10:06	09/03/24 02:43	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2356439	1	09/08/24 08:19	09/09/24 13:23	KKS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2355677	1	09/04/24 20:57	09/05/24 04:20	NJK	Mt. Juliet, TN

DL-S04 @ 8' L1772177-22 Solid

Collected by: Angela Kirylo
 Collected date/time: 08/26/24 11:42
 Received date/time: 08/28/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2355147	1	09/02/24 10:06	09/03/24 14:59	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2354831	1	09/02/24 10:06	09/03/24 03:05	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2356439	1	09/08/24 08:19	09/09/24 13:10	KKS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2355677	1	09/04/24 20:57	09/05/24 04:37	NJK	Mt. Juliet, TN

DL-S05 @ 8' L1772177-23 Solid

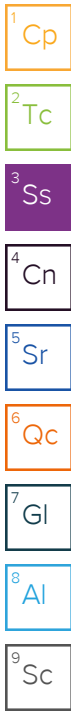
Collected by: Angela Kirylo
 Collected date/time: 08/26/24 11:44
 Received date/time: 08/28/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2355147	1	09/02/24 10:06	09/03/24 15:22	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2354831	1	09/02/24 10:06	09/03/24 03:28	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2356439	1	09/08/24 08:19	09/09/24 11:48	KKS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2355677	1	09/04/24 20:57	09/05/24 04:54	NJK	Mt. Juliet, TN

DL-S06 @ 8' L1772177-24 Solid

Collected by: Angela Kirylo
 Collected date/time: 08/26/24 11:46
 Received date/time: 08/28/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2355147	1	09/02/24 10:06	09/03/24 15:45	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2354831	1	09/02/24 10:06	09/03/24 03:50	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2356439	1	09/08/24 08:19	09/09/24 12:00	KKS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2355677	1	09/04/24 20:57	09/05/24 05:11	NJK	Mt. Juliet, TN

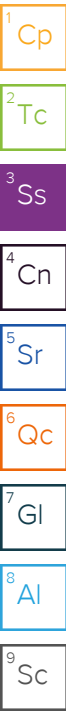


SAMPLE SUMMARY

DL-S07 @ 8' L1772177-25 Solid

Collected by: Angela Kirylo
 Collected date/time: 08/26/24 11:48
 Received date/time: 08/28/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2355147	1	09/02/24 10:06	09/03/24 16:09	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2354831	1	09/02/24 10:06	09/03/24 04:12	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2356439	1	09/08/24 08:19	09/09/24 12:13	KKS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2355677	1	09/04/24 20:57	09/05/24 05:29	NJK	Mt. Juliet, TN



DL-E01 @ 8' L1772177-26 Solid

Collected by: Angela Kirylo
 Collected date/time: 08/26/24 11:50
 Received date/time: 08/28/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2355147	1	09/02/24 10:06	09/03/24 16:32	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2354831	1	09/02/24 10:06	09/03/24 04:34	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2356439	1	09/08/24 08:19	09/09/24 12:31	KKS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2355677	1	09/04/24 20:57	09/05/24 05:46	NJK	Mt. Juliet, TN

DL-E02 @ 8' L1772177-27 Solid

Collected by: Angela Kirylo
 Collected date/time: 08/26/24 11:52
 Received date/time: 08/28/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2355147	1	09/02/24 10:06	09/03/24 16:55	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2354831	1	09/02/24 10:06	09/03/24 04:56	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2356439	1	09/08/24 08:19	09/09/24 12:44	KKS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2355677	1	09/04/24 20:57	09/05/24 06:03	NJK	Mt. Juliet, TN

DL-E03 @ 8' L1772177-28 Solid

Collected by: Angela Kirylo
 Collected date/time: 08/26/24 11:54
 Received date/time: 08/28/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2355147	1	09/02/24 10:06	09/03/24 17:19	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2354831	1	09/02/24 10:06	09/03/24 05:19	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2356439	1	09/08/24 08:19	09/09/24 12:57	KKS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2355677	1	09/04/24 20:57	09/05/24 06:20	NJK	Mt. Juliet, TN

DL-E04 @ 8' L1772177-29 Solid

Collected by: Angela Kirylo
 Collected date/time: 08/26/24 11:56
 Received date/time: 08/28/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2355147	1	09/02/24 10:06	09/03/24 17:42	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2354831	1	09/02/24 10:06	09/03/24 05:41	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2356439	1	09/08/24 08:19	09/09/24 13:36	KKS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2355677	1	09/04/24 20:57	09/05/24 06:38	NJK	Mt. Juliet, TN

DL-E05 @ 8' L1772177-30 Solid

Collected by: Angela Kirylo
 Collected date/time: 08/26/24 11:58
 Received date/time: 08/28/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2355147	1	09/02/24 10:06	09/03/24 18:05	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2354831	1	09/02/24 10:06	09/03/24 06:03	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2356439	1	09/08/24 08:19	09/09/24 13:49	KKS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2355677	1	09/04/24 20:57	09/05/24 06:55	NJK	Mt. Juliet, TN

SAMPLE SUMMARY

DL-W01 @ 8' L1772177-31 Solid

Collected by: Angela Kirylo
 Collected date/time: 08/26/24 12:00
 Received date/time: 08/28/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2355147	1	09/02/24 10:06	09/03/24 18:28	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2354873	1	09/02/24 10:06	09/03/24 11:26	JTO	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2356440	1	09/06/24 15:24	09/07/24 14:56	KKS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2355677	1	09/04/24 20:57	09/05/24 07:47	NJK	Mt. Juliet, TN

DL-W02 @ 8' L1772177-32 Solid

Collected by: Angela Kirylo
 Collected date/time: 08/26/24 12:02
 Received date/time: 08/28/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2355147	1	09/02/24 10:06	09/03/24 18:51	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2354873	1	09/02/24 10:06	09/03/24 11:46	JTO	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2356440	1	09/06/24 15:24	09/07/24 15:09	KKS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2355677	1	09/04/24 20:57	09/05/24 08:04	NJK	Mt. Juliet, TN

DL-W03 @ 8' L1772177-33 Solid

Collected by: Angela Kirylo
 Collected date/time: 08/26/24 12:04
 Received date/time: 08/28/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2355151	1	09/02/24 10:06	09/03/24 11:26	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2354873	1	09/02/24 10:06	09/03/24 12:06	JTO	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2356440	1	09/06/24 15:24	09/07/24 15:23	KKS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2355669	1	09/04/24 12:56	09/05/24 09:48	NJK	Mt. Juliet, TN

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

CASE NARRATIVE

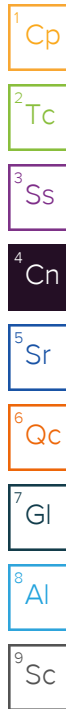
All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Chris Ward
Project Manager

Project Narrative

The requested project specific reporting limits may be less than laboratory standard quantitation limits (PQL) but will be greater than or equal to the laboratory method detection limits (MDL). It is noted that results reported below lab standard quantitation limits (PQLs) may result in false positive/false negative values that may require additional laboratory quality assurance review, if requested. Routine laboratory procedures do not initiate a data review process for detections below the laboratory's PQL unless requested by the client.



Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
TPH (GC/FID) Low Fraction	ND		0.500	1	09/02/2024 21:31	WG2354925
(S)						
a,a,a-Trifluorotoluene(FID)	99.3			77.0-120	09/02/2024 21:31	WG2354925

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Benzene	ND		0.00200	1	09/02/2024 16:45	WG2354828
Toluene	ND		0.00500	1	09/02/2024 16:45	WG2354828
Ethylbenzene	ND		0.00500	1	09/02/2024 16:45	WG2354828
Xylenes, Total	ND		0.0100	1	09/02/2024 16:45	WG2354828
1,2,4-Trimethylbenzene	ND		0.00500	1	09/02/2024 16:45	WG2354828
1,3,5-Trimethylbenzene	ND		0.00500	1	09/02/2024 16:45	WG2354828
(S) Toluene-d8	92.4			75.0-131	09/02/2024 16:45	WG2354828
(S) 4-Bromofluorobenzene	94.0			67.0-138	09/02/2024 16:45	WG2354828
(S) 1,2-Dichloroethane-d4	85.8			70.0-130	09/02/2024 16:45	WG2354828

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
C10-C28 Diesel Range	ND		50.0	1	09/05/2024 17:10	WG2356438
C28-C36 Motor Oil Range	ND		50.0	1	09/05/2024 17:10	WG2356438
(S) o-Terphenyl	45.7			18.0-148	09/05/2024 17:10	WG2356438

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acenaphthene	ND		0.00500	1	09/05/2024 20:59	WG2355675
Anthracene	ND		0.00500	1	09/05/2024 20:59	WG2355675
Benzo(a)anthracene	ND		0.00500	1	09/05/2024 20:59	WG2355675
Benzo(b)fluoranthene	ND		0.00500	1	09/05/2024 20:59	WG2355675
Benzo(k)fluoranthene	ND		0.00500	1	09/05/2024 20:59	WG2355675
Benzo(a)pyrene	ND		0.00500	1	09/05/2024 20:59	WG2355675
Chrysene	ND		0.00500	1	09/05/2024 20:59	WG2355675
Dibenz(a,h)anthracene	ND		0.00500	1	09/05/2024 20:59	WG2355675
Fluoranthene	ND		0.00500	1	09/05/2024 20:59	WG2355675
Fluorene	ND		0.00500	1	09/05/2024 20:59	WG2355675
Indeno(1,2,3-cd)pyrene	ND		0.00500	1	09/05/2024 20:59	WG2355675
1-Methylnaphthalene	ND		0.00500	1	09/05/2024 20:59	WG2355675
2-Methylnaphthalene	ND		0.00500	1	09/05/2024 20:59	WG2355675
Naphthalene	ND		0.00408	1	09/05/2024 20:59	WG2355675
Pyrene	ND		0.00500	1	09/05/2024 20:59	WG2355675
(S) p-Terphenyl-d14	65.5			23.0-120	09/05/2024 20:59	WG2355675
(S) Nitrobenzene-d5	61.2			14.0-149	09/05/2024 20:59	WG2355675
(S) 2-Fluorobiphenyl	58.5			34.0-125	09/05/2024 20:59	WG2355675

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
TPH (GC/FID) Low Fraction	ND		0.500	1	09/02/2024 21:53	WG2354925
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	99.7			77.0-120	09/02/2024 21:53	WG2354925

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Benzene	ND		0.00200	1	09/02/2024 17:06	WG2354828
Toluene	ND		0.00500	1	09/02/2024 17:06	WG2354828
Ethylbenzene	ND		0.00500	1	09/02/2024 17:06	WG2354828
Xylenes, Total	ND		0.0100	1	09/02/2024 17:06	WG2354828
1,2,4-Trimethylbenzene	ND		0.00500	1	09/02/2024 17:06	WG2354828
1,3,5-Trimethylbenzene	ND		0.00500	1	09/02/2024 17:06	WG2354828
(S) Toluene-d8	91.4			75.0-131	09/02/2024 17:06	WG2354828
(S) 4-Bromofluorobenzene	94.2			67.0-138	09/02/2024 17:06	WG2354828
(S) 1,2-Dichloroethane-d4	84.7			70.0-130	09/02/2024 17:06	WG2354828

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
C10-C28 Diesel Range	ND		50.0	1	09/05/2024 20:57	WG2356438
C28-C36 Motor Oil Range	ND		50.0	1	09/05/2024 20:57	WG2356438
(S) <i>o</i> -Terphenyl	38.2			18.0-148	09/05/2024 20:57	WG2356438

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acenaphthene	ND		0.00500	1	09/05/2024 21:17	WG2355675
Anthracene	ND		0.00500	1	09/05/2024 21:17	WG2355675
Benzo(a)anthracene	ND		0.00500	1	09/05/2024 21:17	WG2355675
Benzo(b)fluoranthene	ND		0.00500	1	09/05/2024 21:17	WG2355675
Benzo(k)fluoranthene	ND		0.00500	1	09/05/2024 21:17	WG2355675
Benzo(a)pyrene	ND		0.00500	1	09/05/2024 21:17	WG2355675
Chrysene	ND		0.00500	1	09/05/2024 21:17	WG2355675
Dibenz(a,h)anthracene	ND		0.00500	1	09/05/2024 21:17	WG2355675
Fluoranthene	ND		0.00500	1	09/05/2024 21:17	WG2355675
Fluorene	ND		0.00500	1	09/05/2024 21:17	WG2355675
Indeno(1,2,3-cd)pyrene	ND		0.00500	1	09/05/2024 21:17	WG2355675
1-Methylnaphthalene	ND		0.00500	1	09/05/2024 21:17	WG2355675
2-Methylnaphthalene	ND		0.00500	1	09/05/2024 21:17	WG2355675
Naphthalene	ND		0.00408	1	09/05/2024 21:17	WG2355675
Pyrene	ND		0.00500	1	09/05/2024 21:17	WG2355675
(S) <i>p</i> -Terphenyl-d14	60.1			23.0-120	09/05/2024 21:17	WG2355675
(S) Nitrobenzene-d5	52.5			14.0-149	09/05/2024 21:17	WG2355675
(S) 2-Fluorobiphenyl	50.4			34.0-125	09/05/2024 21:17	WG2355675

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
TPH (GC/FID) Low Fraction	ND		0.500	1	09/02/2024 22:16	WG2354925
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	100			77.0-120	09/02/2024 22:16	WG2354925

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Benzene	ND		0.00200	1	09/02/2024 17:28	WG2354828
Toluene	ND		0.00500	1	09/02/2024 17:28	WG2354828
Ethylbenzene	ND		0.00500	1	09/02/2024 17:28	WG2354828
Xylenes, Total	ND		0.0100	1	09/02/2024 17:28	WG2354828
1,2,4-Trimethylbenzene	ND		0.00500	1	09/02/2024 17:28	WG2354828
1,3,5-Trimethylbenzene	ND		0.00500	1	09/02/2024 17:28	WG2354828
(S) Toluene-d8	92.8			75.0-131	09/02/2024 17:28	WG2354828
(S) 4-Bromofluorobenzene	90.3			67.0-138	09/02/2024 17:28	WG2354828
(S) 1,2-Dichloroethane-d4	83.8			70.0-130	09/02/2024 17:28	WG2354828

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
C10-C28 Diesel Range	ND		50.0	1	09/05/2024 20:44	WG2356438
C28-C36 Motor Oil Range	ND		50.0	1	09/05/2024 20:44	WG2356438
(S) <i>o</i> -Terphenyl	52.5			18.0-148	09/05/2024 20:44	WG2356438

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acenaphthene	ND		0.00500	1	09/05/2024 21:34	WG2355675
Anthracene	ND		0.00500	1	09/05/2024 21:34	WG2355675
Benzo(a)anthracene	ND		0.00500	1	09/05/2024 21:34	WG2355675
Benzo(b)fluoranthene	ND		0.00500	1	09/05/2024 21:34	WG2355675
Benzo(k)fluoranthene	ND		0.00500	1	09/05/2024 21:34	WG2355675
Benzo(a)pyrene	ND		0.00500	1	09/05/2024 21:34	WG2355675
Chrysene	ND		0.00500	1	09/05/2024 21:34	WG2355675
Dibenz(a,h)anthracene	ND		0.00500	1	09/05/2024 21:34	WG2355675
Fluoranthene	ND		0.00500	1	09/05/2024 21:34	WG2355675
Fluorene	ND		0.00500	1	09/05/2024 21:34	WG2355675
Indeno(1,2,3-cd)pyrene	ND		0.00500	1	09/05/2024 21:34	WG2355675
1-Methylnaphthalene	ND		0.00500	1	09/05/2024 21:34	WG2355675
2-Methylnaphthalene	ND		0.00500	1	09/05/2024 21:34	WG2355675
Naphthalene	ND		0.00408	1	09/05/2024 21:34	WG2355675
Pyrene	ND		0.00500	1	09/05/2024 21:34	WG2355675
(S) <i>p</i> -Terphenyl-d14	65.3			23.0-120	09/05/2024 21:34	WG2355675
(S) Nitrobenzene-d5	48.0			14.0-149	09/05/2024 21:34	WG2355675
(S) 2-Fluorobiphenyl	51.7			34.0-125	09/05/2024 21:34	WG2355675

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
TPH (GC/FID) Low Fraction	ND		0.500	1	09/02/2024 22:39	WG2354925
(S)						
a,a,a-Trifluorotoluene(FID)	100			77.0-120	09/02/2024 22:39	WG2354925

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Benzene	ND		0.00200	1	09/02/2024 17:50	WG2354828
Toluene	ND		0.00500	1	09/02/2024 17:50	WG2354828
Ethylbenzene	ND		0.00500	1	09/02/2024 17:50	WG2354828
Xylenes, Total	ND		0.0100	1	09/02/2024 17:50	WG2354828
1,2,4-Trimethylbenzene	ND		0.00500	1	09/02/2024 17:50	WG2354828
1,3,5-Trimethylbenzene	ND		0.00500	1	09/02/2024 17:50	WG2354828
(S) Toluene-d8	90.8			75.0-131	09/02/2024 17:50	WG2354828
(S) 4-Bromofluorobenzene	95.1			67.0-138	09/02/2024 17:50	WG2354828
(S) 1,2-Dichloroethane-d4	86.8			70.0-130	09/02/2024 17:50	WG2354828

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
C10-C28 Diesel Range	ND		50.0	1	09/05/2024 21:10	WG2356438
C28-C36 Motor Oil Range	ND		50.0	1	09/05/2024 21:10	WG2356438
(S) o-Terphenyl	55.4			18.0-148	09/05/2024 21:10	WG2356438

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acenaphthene	ND		0.00500	1	09/05/2024 21:52	WG2355675
Anthracene	ND		0.00500	1	09/05/2024 21:52	WG2355675
Benzo(a)anthracene	ND		0.00500	1	09/05/2024 21:52	WG2355675
Benzo(b)fluoranthene	ND		0.00500	1	09/05/2024 21:52	WG2355675
Benzo(k)fluoranthene	ND		0.00500	1	09/05/2024 21:52	WG2355675
Benzo(a)pyrene	ND		0.00500	1	09/05/2024 21:52	WG2355675
Chrysene	ND		0.00500	1	09/05/2024 21:52	WG2355675
Dibenz(a,h)anthracene	ND		0.00500	1	09/05/2024 21:52	WG2355675
Fluoranthene	ND		0.00500	1	09/05/2024 21:52	WG2355675
Fluorene	ND		0.00500	1	09/05/2024 21:52	WG2355675
Indeno(1,2,3-cd)pyrene	ND		0.00500	1	09/05/2024 21:52	WG2355675
1-Methylnaphthalene	ND		0.00500	1	09/05/2024 21:52	WG2355675
2-Methylnaphthalene	ND		0.00500	1	09/05/2024 21:52	WG2355675
Naphthalene	ND		0.00408	1	09/05/2024 21:52	WG2355675
Pyrene	ND		0.00500	1	09/05/2024 21:52	WG2355675
(S) p-Terphenyl-d14	71.1			23.0-120	09/05/2024 21:52	WG2355675
(S) Nitrobenzene-d5	62.8			14.0-149	09/05/2024 21:52	WG2355675
(S) 2-Fluorobiphenyl	61.9			34.0-125	09/05/2024 21:52	WG2355675

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
TPH (GC/FID) Low Fraction	ND		0.500	1	09/02/2024 23:02	WG2354925
(S)						
<i>a,a,a</i> -Trifluorotoluene(FID)	101			77.0-120	09/02/2024 23:02	WG2354925

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Benzene	ND		0.00200	1	09/02/2024 18:12	WG2354828
Toluene	ND		0.00500	1	09/02/2024 18:12	WG2354828
Ethylbenzene	ND		0.00500	1	09/02/2024 18:12	WG2354828
Xylenes, Total	ND		0.0100	1	09/02/2024 18:12	WG2354828
1,2,4-Trimethylbenzene	ND		0.00500	1	09/02/2024 18:12	WG2354828
1,3,5-Trimethylbenzene	ND		0.00500	1	09/02/2024 18:12	WG2354828
(S) Toluene-d8	92.3			75.0-131	09/02/2024 18:12	WG2354828
(S) 4-Bromofluorobenzene	92.8			67.0-138	09/02/2024 18:12	WG2354828
(S) 1,2-Dichloroethane-d4	85.0			70.0-130	09/02/2024 18:12	WG2354828

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
C10-C28 Diesel Range	ND		50.0	1	09/05/2024 17:24	WG2356438
C28-C36 Motor Oil Range	ND		50.0	1	09/05/2024 17:24	WG2356438
(S) <i>o</i> -Terphenyl	58.8			18.0-148	09/05/2024 17:24	WG2356438

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acenaphthene	ND		0.00500	1	09/05/2024 22:10	WG2355675
Anthracene	ND		0.00500	1	09/05/2024 22:10	WG2355675
Benzo(a)anthracene	ND		0.00500	1	09/05/2024 22:10	WG2355675
Benzo(b)fluoranthene	ND		0.00500	1	09/05/2024 22:10	WG2355675
Benzo(k)fluoranthene	ND		0.00500	1	09/05/2024 22:10	WG2355675
Benzo(a)pyrene	ND		0.00500	1	09/05/2024 22:10	WG2355675
Chrysene	ND		0.00500	1	09/05/2024 22:10	WG2355675
Dibenz(a,h)anthracene	ND		0.00500	1	09/05/2024 22:10	WG2355675
Fluoranthene	ND		0.00500	1	09/05/2024 22:10	WG2355675
Fluorene	ND		0.00500	1	09/05/2024 22:10	WG2355675
Indeno(1,2,3-cd)pyrene	ND		0.00500	1	09/05/2024 22:10	WG2355675
1-Methylnaphthalene	ND		0.00500	1	09/05/2024 22:10	WG2355675
2-Methylnaphthalene	ND		0.00500	1	09/05/2024 22:10	WG2355675
Naphthalene	ND		0.00408	1	09/05/2024 22:10	WG2355675
Pyrene	ND		0.00500	1	09/05/2024 22:10	WG2355675
(S) <i>p</i> -Terphenyl-d14	75.8			23.0-120	09/05/2024 22:10	WG2355675
(S) Nitrobenzene-d5	58.8			14.0-149	09/05/2024 22:10	WG2355675
(S) 2-Fluorobiphenyl	63.4			34.0-125	09/05/2024 22:10	WG2355675

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
TPH (GC/FID) Low Fraction	ND		0.500	1	09/02/2024 23:24	WG2354925
(S)						
<i>a,a,a</i> -Trifluorotoluene(FID)	99.2			77.0-120	09/02/2024 23:24	WG2354925

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Benzene	ND		0.00200	1	09/02/2024 18:34	WG2354828
Toluene	ND		0.00500	1	09/02/2024 18:34	WG2354828
Ethylbenzene	ND		0.00500	1	09/02/2024 18:34	WG2354828
Xylenes, Total	ND		0.0100	1	09/02/2024 18:34	WG2354828
1,2,4-Trimethylbenzene	ND		0.00500	1	09/02/2024 18:34	WG2354828
1,3,5-Trimethylbenzene	ND		0.00500	1	09/02/2024 18:34	WG2354828
(S) Toluene-d8	92.3			75.0-131	09/02/2024 18:34	WG2354828
(S) 4-Bromofluorobenzene	91.9			67.0-138	09/02/2024 18:34	WG2354828
(S) 1,2-Dichloroethane-d4	85.2			70.0-130	09/02/2024 18:34	WG2354828

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
C10-C28 Diesel Range	ND		50.0	1	09/05/2024 21:23	WG2356438
C28-C36 Motor Oil Range	ND		50.0	1	09/05/2024 21:23	WG2356438
(S) <i>o</i> -Terphenyl	40.3			18.0-148	09/05/2024 21:23	WG2356438

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acenaphthene	ND		0.00500	1	09/05/2024 22:28	WG2355675
Anthracene	ND		0.00500	1	09/05/2024 22:28	WG2355675
Benzo(a)anthracene	ND		0.00500	1	09/05/2024 22:28	WG2355675
Benzo(b)fluoranthene	ND		0.00500	1	09/05/2024 22:28	WG2355675
Benzo(k)fluoranthene	ND		0.00500	1	09/05/2024 22:28	WG2355675
Benzo(a)pyrene	ND		0.00500	1	09/05/2024 22:28	WG2355675
Chrysene	ND		0.00500	1	09/05/2024 22:28	WG2355675
Dibenz(a,h)anthracene	ND		0.00500	1	09/05/2024 22:28	WG2355675
Fluoranthene	ND		0.00500	1	09/05/2024 22:28	WG2355675
Fluorene	ND		0.00500	1	09/05/2024 22:28	WG2355675
Indeno(1,2,3-cd)pyrene	ND		0.00500	1	09/05/2024 22:28	WG2355675
1-Methylnaphthalene	ND		0.00500	1	09/05/2024 22:28	WG2355675
2-Methylnaphthalene	ND		0.00500	1	09/05/2024 22:28	WG2355675
Naphthalene	ND		0.00408	1	09/05/2024 22:28	WG2355675
Pyrene	ND		0.00500	1	09/05/2024 22:28	WG2355675
(S) <i>p</i> -Terphenyl-d14	65.4			23.0-120	09/05/2024 22:28	WG2355675
(S) Nitrobenzene-d5	60.4			14.0-149	09/05/2024 22:28	WG2355675
(S) 2-Fluorobiphenyl	62.7			34.0-125	09/05/2024 22:28	WG2355675

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
TPH (GC/FID) Low Fraction	ND		0.500	1	09/02/2024 23:58	WG2354925
(S)						
a,a,a-Trifluorotoluene(FID)	96.1			77.0-120	09/02/2024 23:58	WG2354925

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Benzene	ND		0.00200	1	09/02/2024 18:57	WG2354828
Toluene	ND		0.00500	1	09/02/2024 18:57	WG2354828
Ethylbenzene	ND		0.00500	1	09/02/2024 18:57	WG2354828
Xylenes, Total	ND		0.0100	1	09/02/2024 18:57	WG2354828
1,2,4-Trimethylbenzene	ND		0.00500	1	09/02/2024 18:57	WG2354828
1,3,5-Trimethylbenzene	ND		0.00500	1	09/02/2024 18:57	WG2354828
(S) Toluene-d8	92.3			75.0-131	09/02/2024 18:57	WG2354828
(S) 4-Bromofluorobenzene	96.1			67.0-138	09/02/2024 18:57	WG2354828
(S) 1,2-Dichloroethane-d4	87.8			70.0-130	09/02/2024 18:57	WG2354828

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
C10-C28 Diesel Range	ND		50.0	1	09/05/2024 20:31	WG2356438
C28-C36 Motor Oil Range	ND		50.0	1	09/05/2024 20:31	WG2356438
(S) o-Terphenyl	60.0			18.0-148	09/05/2024 20:31	WG2356438

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acenaphthene	ND		0.00500	1	09/05/2024 22:45	WG2355675
Anthracene	ND		0.00500	1	09/05/2024 22:45	WG2355675
Benzo(a)anthracene	ND		0.00500	1	09/05/2024 22:45	WG2355675
Benzo(b)fluoranthene	ND		0.00500	1	09/05/2024 22:45	WG2355675
Benzo(k)fluoranthene	ND		0.00500	1	09/05/2024 22:45	WG2355675
Benzo(a)pyrene	ND		0.00500	1	09/05/2024 22:45	WG2355675
Chrysene	ND		0.00500	1	09/05/2024 22:45	WG2355675
Dibenz(a,h)anthracene	ND		0.00500	1	09/05/2024 22:45	WG2355675
Fluoranthene	ND		0.00500	1	09/05/2024 22:45	WG2355675
Fluorene	ND		0.00500	1	09/05/2024 22:45	WG2355675
Indeno(1,2,3-cd)pyrene	ND		0.00500	1	09/05/2024 22:45	WG2355675
1-Methylnaphthalene	ND		0.00500	1	09/05/2024 22:45	WG2355675
2-Methylnaphthalene	ND		0.00500	1	09/05/2024 22:45	WG2355675
Naphthalene	ND		0.00408	1	09/05/2024 22:45	WG2355675
Pyrene	ND		0.00500	1	09/05/2024 22:45	WG2355675
(S) p-Terphenyl-d14	70.6			23.0-120	09/05/2024 22:45	WG2355675
(S) Nitrobenzene-d5	52.2			14.0-149	09/05/2024 22:45	WG2355675
(S) 2-Fluorobiphenyl	56.7			34.0-125	09/05/2024 22:45	WG2355675

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
TPH (GC/FID) Low Fraction	ND		0.500	1	09/03/2024 00:51	WG2354925
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	104			77.0-120	09/03/2024 00:51	WG2354925

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Benzene	ND		0.00200	1	09/02/2024 19:19	WG2354828
Toluene	ND		0.00500	1	09/02/2024 19:19	WG2354828
Ethylbenzene	ND		0.00500	1	09/02/2024 19:19	WG2354828
Xylenes, Total	ND		0.0100	1	09/02/2024 19:19	WG2354828
1,2,4-Trimethylbenzene	ND		0.00500	1	09/02/2024 19:19	WG2354828
1,3,5-Trimethylbenzene	ND		0.00500	1	09/02/2024 19:19	WG2354828
(S) Toluene-d8	93.9			75.0-131	09/02/2024 19:19	WG2354828
(S) 4-Bromofluorobenzene	94.4			67.0-138	09/02/2024 19:19	WG2354828
(S) 1,2-Dichloroethane-d4	86.1			70.0-130	09/02/2024 19:19	WG2354828

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
C10-C28 Diesel Range	ND		50.0	1	09/05/2024 17:54	WG2356438
C28-C36 Motor Oil Range	ND		50.0	1	09/05/2024 17:54	WG2356438
(S) <i>o</i> -Terphenyl	81.4			18.0-148	09/05/2024 17:54	WG2356438

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acenaphthene	ND		0.00500	1	09/05/2024 23:03	WG2355675
Anthracene	ND		0.00500	1	09/05/2024 23:03	WG2355675
Benzo(a)anthracene	ND		0.00500	1	09/05/2024 23:03	WG2355675
Benzo(b)fluoranthene	ND		0.00500	1	09/05/2024 23:03	WG2355675
Benzo(k)fluoranthene	ND		0.00500	1	09/05/2024 23:03	WG2355675
Benzo(a)pyrene	ND		0.00500	1	09/05/2024 23:03	WG2355675
Chrysene	ND		0.00500	1	09/05/2024 23:03	WG2355675
Dibenz(a,h)anthracene	ND		0.00500	1	09/05/2024 23:03	WG2355675
Fluoranthene	ND		0.00500	1	09/05/2024 23:03	WG2355675
Fluorene	ND		0.00500	1	09/05/2024 23:03	WG2355675
Indeno(1,2,3-cd)pyrene	ND		0.00500	1	09/05/2024 23:03	WG2355675
1-Methylnaphthalene	ND		0.00500	1	09/05/2024 23:03	WG2355675
2-Methylnaphthalene	ND		0.00500	1	09/05/2024 23:03	WG2355675
Naphthalene	ND		0.00408	1	09/05/2024 23:03	WG2355675
Pyrene	ND		0.00500	1	09/05/2024 23:03	WG2355675
(S) <i>p</i> -Terphenyl-d14	57.9			23.0-120	09/05/2024 23:03	WG2355675
(S) Nitrobenzene-d5	54.2			14.0-149	09/05/2024 23:03	WG2355675
(S) 2-Fluorobiphenyl	55.5			34.0-125	09/05/2024 23:03	WG2355675

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
TPH (GC/FID) Low Fraction	ND		0.500	1	09/03/2024 01:13	WG2354925
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	100			77.0-120	09/03/2024 01:13	WG2354925

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Benzene	ND		0.00200	1	09/02/2024 19:41	WG2354828
Toluene	ND		0.00500	1	09/02/2024 19:41	WG2354828
Ethylbenzene	ND		0.00500	1	09/02/2024 19:41	WG2354828
Xylenes, Total	ND		0.0100	1	09/02/2024 19:41	WG2354828
1,2,4-Trimethylbenzene	ND		0.00500	1	09/02/2024 19:41	WG2354828
1,3,5-Trimethylbenzene	ND		0.00500	1	09/02/2024 19:41	WG2354828
(S) Toluene-d8	93.7			75.0-131	09/02/2024 19:41	WG2354828
(S) 4-Bromofluorobenzene	91.3			67.0-138	09/02/2024 19:41	WG2354828
(S) 1,2-Dichloroethane-d4	84.1			70.0-130	09/02/2024 19:41	WG2354828

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
C10-C28 Diesel Range	ND		50.0	1	09/05/2024 18:07	WG2356438
C28-C36 Motor Oil Range	ND		50.0	1	09/05/2024 18:07	WG2356438
(S) <i>o</i> -Terphenyl	43.4			18.0-148	09/05/2024 18:07	WG2356438

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acenaphthene	ND		0.00500	1	09/05/2024 14:47	WG2355675
Anthracene	ND		0.00500	1	09/05/2024 14:47	WG2355675
Benzo(a)anthracene	ND		0.00500	1	09/05/2024 14:47	WG2355675
Benzo(b)fluoranthene	ND		0.00500	1	09/05/2024 14:47	WG2355675
Benzo(k)fluoranthene	ND		0.00500	1	09/05/2024 14:47	WG2355675
Benzo(a)pyrene	ND		0.00500	1	09/05/2024 14:47	WG2355675
Chrysene	ND		0.00500	1	09/05/2024 14:47	WG2355675
Dibenz(a,h)anthracene	ND		0.00500	1	09/05/2024 14:47	WG2355675
Fluoranthene	ND		0.00500	1	09/05/2024 14:47	WG2355675
Fluorene	ND		0.00500	1	09/05/2024 14:47	WG2355675
Indeno(1,2,3-cd)pyrene	ND		0.00500	1	09/05/2024 14:47	WG2355675
1-Methylnaphthalene	ND		0.00500	1	09/05/2024 14:47	WG2355675
2-Methylnaphthalene	ND		0.00500	1	09/05/2024 14:47	WG2355675
Naphthalene	ND		0.00408	1	09/05/2024 14:47	WG2355675
Pyrene	ND		0.00500	1	09/05/2024 14:47	WG2355675
(S) <i>p</i> -Terphenyl-d14	52.6			23.0-120	09/05/2024 14:47	WG2355675
(S) Nitrobenzene-d5	50.8			14.0-149	09/05/2024 14:47	WG2355675
(S) 2-Fluorobiphenyl	45.9			34.0-125	09/05/2024 14:47	WG2355675

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
TPH (GC/FID) Low Fraction	ND		0.500	1	09/03/2024 01:36	WG2354925
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	100			77.0-120	09/03/2024 01:36	WG2354925

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Benzene	ND		0.00200	1	09/02/2024 20:03	WG2354828
Toluene	ND		0.00500	1	09/02/2024 20:03	WG2354828
Ethylbenzene	ND		0.00500	1	09/02/2024 20:03	WG2354828
Xylenes, Total	ND		0.0100	1	09/02/2024 20:03	WG2354828
1,2,4-Trimethylbenzene	ND		0.00500	1	09/02/2024 20:03	WG2354828
1,3,5-Trimethylbenzene	ND		0.00500	1	09/02/2024 20:03	WG2354828
(S) Toluene-d8	89.5			75.0-131	09/02/2024 20:03	WG2354828
(S) 4-Bromofluorobenzene	91.6			67.0-138	09/02/2024 20:03	WG2354828
(S) 1,2-Dichloroethane-d4	85.4			70.0-130	09/02/2024 20:03	WG2354828

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
C10-C28 Diesel Range	ND		50.0	1	09/05/2024 18:20	WG2356438
C28-C36 Motor Oil Range	ND		50.0	1	09/05/2024 18:20	WG2356438
(S) <i>o</i> -Terphenyl	61.4			18.0-148	09/05/2024 18:20	WG2356438

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acenaphthene	ND		0.00500	1	09/05/2024 15:04	WG2355675
Anthracene	ND		0.00500	1	09/05/2024 15:04	WG2355675
Benzo(a)anthracene	ND		0.00500	1	09/05/2024 15:04	WG2355675
Benzo(b)fluoranthene	ND		0.00500	1	09/05/2024 15:04	WG2355675
Benzo(k)fluoranthene	ND		0.00500	1	09/05/2024 15:04	WG2355675
Benzo(a)pyrene	ND		0.00500	1	09/05/2024 15:04	WG2355675
Chrysene	ND		0.00500	1	09/05/2024 15:04	WG2355675
Dibenz(a,h)anthracene	ND		0.00500	1	09/05/2024 15:04	WG2355675
Fluoranthene	ND		0.00500	1	09/05/2024 15:04	WG2355675
Fluorene	ND		0.00500	1	09/05/2024 15:04	WG2355675
Indeno(1,2,3-cd)pyrene	ND		0.00500	1	09/05/2024 15:04	WG2355675
1-Methylnaphthalene	ND		0.00500	1	09/05/2024 15:04	WG2355675
2-Methylnaphthalene	ND		0.00500	1	09/05/2024 15:04	WG2355675
Naphthalene	ND		0.00408	1	09/05/2024 15:04	WG2355675
Pyrene	ND		0.00500	1	09/05/2024 15:04	WG2355675
(S) <i>p</i> -Terphenyl-d14	43.7			23.0-120	09/05/2024 15:04	WG2355675
(S) Nitrobenzene-d5	44.1			14.0-149	09/05/2024 15:04	WG2355675
(S) 2-Fluorobiphenyl	34.6			34.0-125	09/05/2024 15:04	WG2355675

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
TPH (GC/FID) Low Fraction	ND		0.500	1	09/03/2024 01:59	WG2354925
(S) a,a,a-Trifluorotoluene(FID)	102			77.0-120	09/03/2024 01:59	WG2354925

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Benzene	ND		0.00200	1	09/02/2024 23:00	WG2354831
Toluene	ND		0.00500	1	09/02/2024 23:00	WG2354831
Ethylbenzene	ND		0.00500	1	09/02/2024 23:00	WG2354831
Xylenes, Total	ND		0.0100	1	09/02/2024 23:00	WG2354831
1,2,4-Trimethylbenzene	ND		0.00500	1	09/02/2024 23:00	WG2354831
1,3,5-Trimethylbenzene	ND		0.00500	1	09/02/2024 23:00	WG2354831
(S) Toluene-d8	90.6			75.0-131	09/02/2024 23:00	WG2354831
(S) 4-Bromofluorobenzene	93.0			67.0-138	09/02/2024 23:00	WG2354831
(S) 1,2-Dichloroethane-d4	90.8			70.0-130	09/02/2024 23:00	WG2354831

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
C10-C28 Diesel Range	ND		50.0	1	09/05/2024 18:33	WG2356438
C28-C36 Motor Oil Range	ND		50.0	1	09/05/2024 18:33	WG2356438
(S) o-Terphenyl	54.6			18.0-148	09/05/2024 18:33	WG2356438

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acenaphthene	ND		0.00500	1	09/05/2024 15:56	WG2355675
Anthracene	ND		0.00500	1	09/05/2024 15:56	WG2355675
Benzo(a)anthracene	ND		0.00500	1	09/05/2024 15:56	WG2355675
Benzo(b)fluoranthene	ND		0.00500	1	09/05/2024 15:56	WG2355675
Benzo(k)fluoranthene	ND		0.00500	1	09/05/2024 15:56	WG2355675
Benzo(a)pyrene	ND		0.00500	1	09/05/2024 15:56	WG2355675
Chrysene	ND		0.00500	1	09/05/2024 15:56	WG2355675
Dibenz(a,h)anthracene	ND		0.00500	1	09/05/2024 15:56	WG2355675
Fluoranthene	ND		0.00500	1	09/05/2024 15:56	WG2355675
Fluorene	ND		0.00500	1	09/05/2024 15:56	WG2355675
Indeno(1,2,3-cd)pyrene	ND		0.00500	1	09/05/2024 15:56	WG2355675
1-Methylnaphthalene	ND		0.00500	1	09/05/2024 15:56	WG2355675
2-Methylnaphthalene	ND		0.00500	1	09/05/2024 15:56	WG2355675
Naphthalene	ND		0.00408	1	09/05/2024 15:56	WG2355675
Pyrene	ND		0.00500	1	09/05/2024 15:56	WG2355675
(S) p-Terphenyl-d14	59.2			23.0-120	09/05/2024 15:56	WG2355675
(S) Nitrobenzene-d5	45.0			14.0-149	09/05/2024 15:56	WG2355675
(S) 2-Fluorobiphenyl	41.4			34.0-125	09/05/2024 15:56	WG2355675

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
TPH (GC/FID) Low Fraction	ND		0.500	1	09/03/2024 02:22	WG2354925
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	101			77.0-120	09/03/2024 02:22	WG2354925

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Benzene	ND		0.00200	1	09/02/2024 23:22	WG2354831
Toluene	ND		0.00500	1	09/02/2024 23:22	WG2354831
Ethylbenzene	ND		0.00500	1	09/02/2024 23:22	WG2354831
Xylenes, Total	ND		0.0100	1	09/02/2024 23:22	WG2354831
1,2,4-Trimethylbenzene	ND		0.00500	1	09/02/2024 23:22	WG2354831
1,3,5-Trimethylbenzene	ND		0.00500	1	09/02/2024 23:22	WG2354831
(S) Toluene-d8	89.8			75.0-131	09/02/2024 23:22	WG2354831
(S) 4-Bromofluorobenzene	94.3			67.0-138	09/02/2024 23:22	WG2354831
(S) 1,2-Dichloroethane-d4	86.8			70.0-130	09/02/2024 23:22	WG2354831

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
C10-C28 Diesel Range	ND		50.0	1	09/05/2024 18:46	WG2356438
C28-C36 Motor Oil Range	ND		50.0	1	09/05/2024 18:46	WG2356438
(S) <i>o</i> -Terphenyl	44.3			18.0-148	09/05/2024 18:46	WG2356438

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acenaphthene	ND		0.00500	1	09/05/2024 16:13	WG2355675
Anthracene	ND		0.00500	1	09/05/2024 16:13	WG2355675
Benzo(a)anthracene	ND		0.00500	1	09/05/2024 16:13	WG2355675
Benzo(b)fluoranthene	ND		0.00500	1	09/05/2024 16:13	WG2355675
Benzo(k)fluoranthene	ND		0.00500	1	09/05/2024 16:13	WG2355675
Benzo(a)pyrene	ND		0.00500	1	09/05/2024 16:13	WG2355675
Chrysene	ND		0.00500	1	09/05/2024 16:13	WG2355675
Dibenz(a,h)anthracene	ND		0.00500	1	09/05/2024 16:13	WG2355675
Fluoranthene	ND		0.00500	1	09/05/2024 16:13	WG2355675
Fluorene	ND		0.00500	1	09/05/2024 16:13	WG2355675
Indeno(1,2,3-cd)pyrene	ND		0.00500	1	09/05/2024 16:13	WG2355675
1-Methylnaphthalene	ND		0.00500	1	09/05/2024 16:13	WG2355675
2-Methylnaphthalene	ND		0.00500	1	09/05/2024 16:13	WG2355675
Naphthalene	ND		0.00408	1	09/05/2024 16:13	WG2355675
Pyrene	ND		0.00500	1	09/05/2024 16:13	WG2355675
(S) <i>p</i> -Terphenyl-d14	49.1			23.0-120	09/05/2024 16:13	WG2355675
(S) Nitrobenzene-d5	48.8			14.0-149	09/05/2024 16:13	WG2355675
(S) 2-Fluorobiphenyl	39.2			34.0-125	09/05/2024 16:13	WG2355675

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
TPH (GC/FID) Low Fraction	ND		0.500	1	09/03/2024 02:44	WG2354925
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	102			77.0-120	09/03/2024 02:44	WG2354925

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Benzene	ND		0.00200	1	09/02/2024 23:45	WG2354831
Toluene	ND		0.00500	1	09/02/2024 23:45	WG2354831
Ethylbenzene	ND		0.00500	1	09/02/2024 23:45	WG2354831
Xylenes, Total	ND		0.0100	1	09/02/2024 23:45	WG2354831
1,2,4-Trimethylbenzene	ND		0.00500	1	09/02/2024 23:45	WG2354831
1,3,5-Trimethylbenzene	ND		0.00500	1	09/02/2024 23:45	WG2354831
(S) Toluene-d8	89.6			75.0-131	09/02/2024 23:45	WG2354831
(S) 4-Bromofluorobenzene	91.8			67.0-138	09/02/2024 23:45	WG2354831
(S) 1,2-Dichloroethane-d4	89.5			70.0-130	09/02/2024 23:45	WG2354831

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
C10-C28 Diesel Range	ND		50.0	1	09/05/2024 18:59	WG2356438
C28-C36 Motor Oil Range	ND		50.0	1	09/05/2024 18:59	WG2356438
(S) <i>o</i> -Terphenyl	62.5			18.0-148	09/05/2024 18:59	WG2356438

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acenaphthene	ND		0.00500	1	09/05/2024 16:31	WG2355675
Anthracene	ND		0.00500	1	09/05/2024 16:31	WG2355675
Benzo(a)anthracene	ND		0.00500	1	09/05/2024 16:31	WG2355675
Benzo(b)fluoranthene	ND		0.00500	1	09/05/2024 16:31	WG2355675
Benzo(k)fluoranthene	ND		0.00500	1	09/05/2024 16:31	WG2355675
Benzo(a)pyrene	ND		0.00500	1	09/05/2024 16:31	WG2355675
Chrysene	ND		0.00500	1	09/05/2024 16:31	WG2355675
Dibenz(a,h)anthracene	ND		0.00500	1	09/05/2024 16:31	WG2355675
Fluoranthene	ND		0.00500	1	09/05/2024 16:31	WG2355675
Fluorene	ND		0.00500	1	09/05/2024 16:31	WG2355675
Indeno(1,2,3-cd)pyrene	ND		0.00500	1	09/05/2024 16:31	WG2355675
1-Methylnaphthalene	ND		0.00500	1	09/05/2024 16:31	WG2355675
2-Methylnaphthalene	ND		0.00500	1	09/05/2024 16:31	WG2355675
Naphthalene	ND		0.00408	1	09/05/2024 16:31	WG2355675
Pyrene	ND		0.00500	1	09/05/2024 16:31	WG2355675
(S) <i>p</i> -Terphenyl-d14	64.2			23.0-120	09/05/2024 16:31	WG2355675
(S) Nitrobenzene-d5	68.8			14.0-149	09/05/2024 16:31	WG2355675
(S) 2-Fluorobiphenyl	52.5			34.0-125	09/05/2024 16:31	WG2355675

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
TPH (GC/FID) Low Fraction	ND		0.500	1	09/03/2024 03:07	WG2354925
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	103			77.0-120	09/03/2024 03:07	WG2354925

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Benzene	ND		0.00200	1	09/03/2024 00:07	WG2354831
Toluene	ND		0.00500	1	09/03/2024 00:07	WG2354831
Ethylbenzene	ND		0.00500	1	09/03/2024 00:07	WG2354831
Xylenes, Total	ND		0.0100	1	09/03/2024 00:07	WG2354831
1,2,4-Trimethylbenzene	ND		0.00500	1	09/03/2024 00:07	WG2354831
1,3,5-Trimethylbenzene	ND		0.00500	1	09/03/2024 00:07	WG2354831
(S) Toluene-d8	91.4			75.0-131	09/03/2024 00:07	WG2354831
(S) 4-Bromofluorobenzene	96.7			67.0-138	09/03/2024 00:07	WG2354831
(S) 1,2-Dichloroethane-d4	93.0			70.0-130	09/03/2024 00:07	WG2354831

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
C10-C28 Diesel Range	ND		50.0	1	09/05/2024 21:36	WG2356438
C28-C36 Motor Oil Range	ND		50.0	1	09/05/2024 21:36	WG2356438
(S) <i>o</i> -Terphenyl	67.4			18.0-148	09/05/2024 21:36	WG2356438

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acenaphthene	ND		0.00500	1	09/05/2024 16:48	WG2355675
Anthracene	ND		0.00500	1	09/05/2024 16:48	WG2355675
Benzo(a)anthracene	ND		0.00500	1	09/05/2024 16:48	WG2355675
Benzo(b)fluoranthene	ND		0.00500	1	09/05/2024 16:48	WG2355675
Benzo(k)fluoranthene	ND		0.00500	1	09/05/2024 16:48	WG2355675
Benzo(a)pyrene	ND		0.00500	1	09/05/2024 16:48	WG2355675
Chrysene	ND		0.00500	1	09/05/2024 16:48	WG2355675
Dibenz(a,h)anthracene	ND		0.00500	1	09/05/2024 16:48	WG2355675
Fluoranthene	ND		0.00500	1	09/05/2024 16:48	WG2355675
Fluorene	ND		0.00500	1	09/05/2024 16:48	WG2355675
Indeno(1,2,3-cd)pyrene	ND		0.00500	1	09/05/2024 16:48	WG2355675
1-Methylnaphthalene	ND		0.00500	1	09/05/2024 16:48	WG2355675
2-Methylnaphthalene	ND		0.00500	1	09/05/2024 16:48	WG2355675
Naphthalene	ND		0.00408	1	09/05/2024 16:48	WG2355675
Pyrene	ND		0.00500	1	09/05/2024 16:48	WG2355675
(S) <i>p</i> -Terphenyl-d14	66.1			23.0-120	09/05/2024 16:48	WG2355675
(S) Nitrobenzene-d5	64.7			14.0-149	09/05/2024 16:48	WG2355675
(S) 2-Fluorobiphenyl	49.6			34.0-125	09/05/2024 16:48	WG2355675

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
TPH (GC/FID) Low Fraction	ND		0.500	1	09/03/2024 03:30	WG2354925
(S)						
a,a,a-Trifluorotoluene(FID)	103			77.0-120	09/03/2024 03:30	WG2354925

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Benzene	ND		0.00200	1	09/03/2024 00:29	WG2354831
Toluene	ND		0.00500	1	09/03/2024 00:29	WG2354831
Ethylbenzene	ND		0.00500	1	09/03/2024 00:29	WG2354831
Xylenes, Total	ND		0.0100	1	09/03/2024 00:29	WG2354831
1,2,4-Trimethylbenzene	ND		0.00500	1	09/03/2024 00:29	WG2354831
1,3,5-Trimethylbenzene	ND		0.00500	1	09/03/2024 00:29	WG2354831
(S) Toluene-d8	90.9			75.0-131	09/03/2024 00:29	WG2354831
(S) 4-Bromofluorobenzene	95.1			67.0-138	09/03/2024 00:29	WG2354831
(S) 1,2-Dichloroethane-d4	91.6			70.0-130	09/03/2024 00:29	WG2354831

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
C10-C28 Diesel Range	ND		50.0	1	09/05/2024 21:49	WG2356438
C28-C36 Motor Oil Range	ND		50.0	1	09/05/2024 21:49	WG2356438
(S) o-Terphenyl	39.1			18.0-148	09/05/2024 21:49	WG2356438

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acenaphthene	ND		0.00500	1	09/05/2024 17:05	WG2355675
Anthracene	ND		0.00500	1	09/05/2024 17:05	WG2355675
Benzo(a)anthracene	ND		0.00500	1	09/05/2024 17:05	WG2355675
Benzo(b)fluoranthene	ND		0.00500	1	09/05/2024 17:05	WG2355675
Benzo(k)fluoranthene	ND		0.00500	1	09/05/2024 17:05	WG2355675
Benzo(a)pyrene	ND		0.00500	1	09/05/2024 17:05	WG2355675
Chrysene	ND		0.00500	1	09/05/2024 17:05	WG2355675
Dibenz(a,h)anthracene	ND		0.00500	1	09/05/2024 17:05	WG2355675
Fluoranthene	ND		0.00500	1	09/05/2024 17:05	WG2355675
Fluorene	ND		0.00500	1	09/05/2024 17:05	WG2355675
Indeno(1,2,3-cd)pyrene	ND		0.00500	1	09/05/2024 17:05	WG2355675
1-Methylnaphthalene	ND		0.00500	1	09/05/2024 17:05	WG2355675
2-Methylnaphthalene	ND		0.00500	1	09/05/2024 17:05	WG2355675
Naphthalene	ND		0.00408	1	09/05/2024 17:05	WG2355675
Pyrene	ND		0.00500	1	09/05/2024 17:05	WG2355675
(S) p-Terphenyl-d14	46.6			23.0-120	09/05/2024 17:05	WG2355675
(S) Nitrobenzene-d5	68.6			14.0-149	09/05/2024 17:05	WG2355675
(S) 2-Fluorobiphenyl	46.1			34.0-125	09/05/2024 17:05	WG2355675

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
TPH (GC/FID) Low Fraction	ND		0.500	1	09/03/2024 12:40	WG2355147
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	102			77.0-120	09/03/2024 12:40	WG2355147

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Benzene	ND		0.00200	1	09/03/2024 00:52	WG2354831
Toluene	ND		0.00500	1	09/03/2024 00:52	WG2354831
Ethylbenzene	ND		0.00500	1	09/03/2024 00:52	WG2354831
Xylenes, Total	ND		0.0100	1	09/03/2024 00:52	WG2354831
1,2,4-Trimethylbenzene	ND		0.00500	1	09/03/2024 00:52	WG2354831
1,3,5-Trimethylbenzene	ND		0.00500	1	09/03/2024 00:52	WG2354831
(S) Toluene-d8	89.8			75.0-131	09/03/2024 00:52	WG2354831
(S) 4-Bromofluorobenzene	94.5			67.0-138	09/03/2024 00:52	WG2354831
(S) 1,2-Dichloroethane-d4	87.9			70.0-130	09/03/2024 00:52	WG2354831

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
C10-C28 Diesel Range	ND		50.0	1	09/05/2024 19:12	WG2356438
C28-C36 Motor Oil Range	ND		50.0	1	09/05/2024 19:12	WG2356438
(S) <i>o</i> -Terphenyl	58.2			18.0-148	09/05/2024 19:12	WG2356438

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acenaphthene	ND		0.00500	1	09/05/2024 17:23	WG2355675
Anthracene	ND		0.00500	1	09/05/2024 17:23	WG2355675
Benzo(a)anthracene	ND		0.00500	1	09/05/2024 17:23	WG2355675
Benzo(b)fluoranthene	ND		0.00500	1	09/05/2024 17:23	WG2355675
Benzo(k)fluoranthene	ND		0.00500	1	09/05/2024 17:23	WG2355675
Benzo(a)pyrene	ND		0.00500	1	09/05/2024 17:23	WG2355675
Chrysene	ND		0.00500	1	09/05/2024 17:23	WG2355675
Dibenz(a,h)anthracene	ND		0.00500	1	09/05/2024 17:23	WG2355675
Fluoranthene	ND		0.00500	1	09/05/2024 17:23	WG2355675
Fluorene	ND		0.00500	1	09/05/2024 17:23	WG2355675
Indeno(1,2,3-cd)pyrene	ND		0.00500	1	09/05/2024 17:23	WG2355675
1-Methylnaphthalene	ND		0.00500	1	09/05/2024 17:23	WG2355675
2-Methylnaphthalene	ND		0.00500	1	09/05/2024 17:23	WG2355675
Naphthalene	ND		0.00408	1	09/05/2024 17:23	WG2355675
Pyrene	ND		0.00500	1	09/05/2024 17:23	WG2355675
(S) <i>p</i> -Terphenyl-d14	67.1			23.0-120	09/05/2024 17:23	WG2355675
(S) Nitrobenzene-d5	58.1			14.0-149	09/05/2024 17:23	WG2355675
(S) 2-Fluorobiphenyl	50.0			34.0-125	09/05/2024 17:23	WG2355675

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
TPH (GC/FID) Low Fraction	ND		0.500	1	09/03/2024 13:03	WG2355147
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	102			77.0-120	09/03/2024 13:03	WG2355147

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Benzene	ND		0.00200	1	09/03/2024 01:14	WG2354831
Toluene	ND		0.00500	1	09/03/2024 01:14	WG2354831
Ethylbenzene	ND		0.00500	1	09/03/2024 01:14	WG2354831
Xylenes, Total	ND		0.0100	1	09/03/2024 01:14	WG2354831
1,2,4-Trimethylbenzene	ND		0.00500	1	09/03/2024 01:14	WG2354831
1,3,5-Trimethylbenzene	ND		0.00500	1	09/03/2024 01:14	WG2354831
(S) Toluene-d8	91.7			75.0-131	09/03/2024 01:14	WG2354831
(S) 4-Bromofluorobenzene	95.9			67.0-138	09/03/2024 01:14	WG2354831
(S) 1,2-Dichloroethane-d4	87.7			70.0-130	09/03/2024 01:14	WG2354831

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
C10-C28 Diesel Range	ND		50.0	1	09/05/2024 19:25	WG2356438
C28-C36 Motor Oil Range	ND		50.0	1	09/05/2024 19:25	WG2356438
(S) <i>o</i> -Terphenyl	62.3			18.0-148	09/05/2024 19:25	WG2356438

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acenaphthene	ND		0.00500	1	09/06/2024 15:56	WG2355675
Anthracene	ND		0.00500	1	09/06/2024 15:56	WG2355675
Benzo(a)anthracene	ND		0.00500	1	09/06/2024 15:56	WG2355675
Benzo(b)fluoranthene	ND		0.00500	1	09/06/2024 15:56	WG2355675
Benzo(k)fluoranthene	ND		0.00500	1	09/06/2024 15:56	WG2355675
Benzo(a)pyrene	ND		0.00500	1	09/06/2024 15:56	WG2355675
Chrysene	ND		0.00500	1	09/06/2024 15:56	WG2355675
Dibenz(a,h)anthracene	ND		0.00500	1	09/06/2024 15:56	WG2355675
Fluoranthene	ND		0.00500	1	09/06/2024 15:56	WG2355675
Fluorene	ND		0.00500	1	09/06/2024 15:56	WG2355675
Indeno(1,2,3-cd)pyrene	ND		0.00500	1	09/06/2024 15:56	WG2355675
1-Methylnaphthalene	ND		0.00500	1	09/06/2024 15:56	WG2355675
2-Methylnaphthalene	ND		0.00500	1	09/06/2024 15:56	WG2355675
Naphthalene	ND		0.00408	1	09/06/2024 15:56	WG2355675
Pyrene	ND		0.00500	1	09/06/2024 15:56	WG2355675
(S) <i>p</i> -Terphenyl-d14	62.3			23.0-120	09/06/2024 15:56	WG2355675
(S) Nitrobenzene-d5	55.8			14.0-149	09/06/2024 15:56	WG2355675
(S) 2-Fluorobiphenyl	49.3			34.0-125	09/06/2024 15:56	WG2355675

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
TPH (GC/FID) Low Fraction	ND		0.500	1	09/03/2024 13:26	WG2355147
(S)						
a,a,a-Trifluorotoluene(FID)	101			77.0-120	09/03/2024 13:26	WG2355147

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Benzene	ND		0.00200	1	09/03/2024 01:36	WG2354831
Toluene	ND		0.00500	1	09/03/2024 01:36	WG2354831
Ethylbenzene	ND		0.00500	1	09/03/2024 01:36	WG2354831
Xylenes, Total	ND		0.0100	1	09/03/2024 01:36	WG2354831
1,2,4-Trimethylbenzene	ND		0.00500	1	09/03/2024 01:36	WG2354831
1,3,5-Trimethylbenzene	ND		0.00500	1	09/03/2024 01:36	WG2354831
(S) Toluene-d8	90.7			75.0-131	09/03/2024 01:36	WG2354831
(S) 4-Bromofluorobenzene	91.1			67.0-138	09/03/2024 01:36	WG2354831
(S) 1,2-Dichloroethane-d4	87.6			70.0-130	09/03/2024 01:36	WG2354831

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
C10-C28 Diesel Range	ND		50.0	1	09/05/2024 19:38	WG2356438
C28-C36 Motor Oil Range	ND		50.0	1	09/05/2024 19:38	WG2356438
(S) o-Terphenyl	66.9			18.0-148	09/05/2024 19:38	WG2356438

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acenaphthene	ND		0.00500	1	09/06/2024 16:14	WG2355675
Anthracene	ND		0.00500	1	09/06/2024 16:14	WG2355675
Benzo(a)anthracene	ND		0.00500	1	09/06/2024 16:14	WG2355675
Benzo(b)fluoranthene	ND		0.00500	1	09/06/2024 16:14	WG2355675
Benzo(k)fluoranthene	ND		0.00500	1	09/06/2024 16:14	WG2355675
Benzo(a)pyrene	ND		0.00500	1	09/06/2024 16:14	WG2355675
Chrysene	ND		0.00500	1	09/06/2024 16:14	WG2355675
Dibenz(a,h)anthracene	ND		0.00500	1	09/06/2024 16:14	WG2355675
Fluoranthene	ND		0.00500	1	09/06/2024 16:14	WG2355675
Fluorene	ND		0.00500	1	09/06/2024 16:14	WG2355675
Indeno(1,2,3-cd)pyrene	ND		0.00500	1	09/06/2024 16:14	WG2355675
1-Methylnaphthalene	ND		0.00500	1	09/06/2024 16:14	WG2355675
2-Methylnaphthalene	ND		0.00500	1	09/06/2024 16:14	WG2355675
Naphthalene	ND		0.00408	1	09/06/2024 16:14	WG2355675
Pyrene	ND		0.00500	1	09/06/2024 16:14	WG2355675
(S) p-Terphenyl-d14	61.9			23.0-120	09/06/2024 16:14	WG2355675
(S) Nitrobenzene-d5	56.9			14.0-149	09/06/2024 16:14	WG2355675
(S) 2-Fluorobiphenyl	47.6			34.0-125	09/06/2024 16:14	WG2355675

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
TPH (GC/FID) Low Fraction	ND		0.500	1	09/03/2024 13:49	WG2355147
(S)						
a,a,a-Trifluorotoluene(FID)	101			77.0-120	09/03/2024 13:49	WG2355147

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Benzene	ND		0.00200	1	09/03/2024 01:59	WG2354831
Toluene	ND		0.00500	1	09/03/2024 01:59	WG2354831
Ethylbenzene	ND		0.00500	1	09/03/2024 01:59	WG2354831
Xylenes, Total	ND		0.0100	1	09/03/2024 01:59	WG2354831
1,2,4-Trimethylbenzene	ND		0.00500	1	09/03/2024 01:59	WG2354831
1,3,5-Trimethylbenzene	ND		0.00500	1	09/03/2024 01:59	WG2354831
(S) Toluene-d8	88.9			75.0-131	09/03/2024 01:59	WG2354831
(S) 4-Bromofluorobenzene	90.5			67.0-138	09/03/2024 01:59	WG2354831
(S) 1,2-Dichloroethane-d4	91.4			70.0-130	09/03/2024 01:59	WG2354831

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
C10-C28 Diesel Range	ND		50.0	1	09/05/2024 19:51	WG2356438
C28-C36 Motor Oil Range	ND		50.0	1	09/05/2024 19:51	WG2356438
(S) o-Terphenyl	57.4			18.0-148	09/05/2024 19:51	WG2356438

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acenaphthene	ND		0.00500	1	09/06/2024 16:32	WG2355675
Anthracene	ND		0.00500	1	09/06/2024 16:32	WG2355675
Benzo(a)anthracene	ND		0.00500	1	09/06/2024 16:32	WG2355675
Benzo(b)fluoranthene	ND		0.00500	1	09/06/2024 16:32	WG2355675
Benzo(k)fluoranthene	ND		0.00500	1	09/06/2024 16:32	WG2355675
Benzo(a)pyrene	ND		0.00500	1	09/06/2024 16:32	WG2355675
Chrysene	ND		0.00500	1	09/06/2024 16:32	WG2355675
Dibenz(a,h)anthracene	ND		0.00500	1	09/06/2024 16:32	WG2355675
Fluoranthene	ND		0.00500	1	09/06/2024 16:32	WG2355675
Fluorene	ND		0.00500	1	09/06/2024 16:32	WG2355675
Indeno(1,2,3-cd)pyrene	ND		0.00500	1	09/06/2024 16:32	WG2355675
1-Methylnaphthalene	ND		0.00500	1	09/06/2024 16:32	WG2355675
2-Methylnaphthalene	ND		0.00500	1	09/06/2024 16:32	WG2355675
Naphthalene	ND		0.00408	1	09/06/2024 16:32	WG2355675
Pyrene	ND		0.00500	1	09/06/2024 16:32	WG2355675
(S) p-Terphenyl-d14	52.8			23.0-120	09/06/2024 16:32	WG2355675
(S) Nitrobenzene-d5	58.1			14.0-149	09/06/2024 16:32	WG2355675
(S) 2-Fluorobiphenyl	41.4			34.0-125	09/06/2024 16:32	WG2355675

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
TPH (GC/FID) Low Fraction	ND		0.500	1	09/03/2024 14:13	WG2355147
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	102			77.0-120	09/03/2024 14:13	WG2355147

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Benzene	ND		0.00200	1	09/03/2024 02:21	WG2354831
Toluene	ND		0.00500	1	09/03/2024 02:21	WG2354831
Ethylbenzene	ND		0.00500	1	09/03/2024 02:21	WG2354831
Xylenes, Total	ND		0.0100	1	09/03/2024 02:21	WG2354831
1,2,4-Trimethylbenzene	ND		0.00500	1	09/03/2024 02:21	WG2354831
1,3,5-Trimethylbenzene	ND		0.00500	1	09/03/2024 02:21	WG2354831
(S) Toluene-d8	91.0			75.0-131	09/03/2024 02:21	WG2354831
(S) 4-Bromofluorobenzene	94.2			67.0-138	09/03/2024 02:21	WG2354831
(S) 1,2-Dichloroethane-d4	89.8			70.0-130	09/03/2024 02:21	WG2354831

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
C10-C28 Diesel Range	ND		50.0	1	09/05/2024 22:02	WG2356438
C28-C36 Motor Oil Range	ND		50.0	1	09/05/2024 22:02	WG2356438
(S) <i>o</i> -Terphenyl	61.1			18.0-148	09/05/2024 22:02	WG2356438

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acenaphthene	ND		0.00500	1	09/06/2024 16:49	WG2355675
Anthracene	ND		0.00500	1	09/06/2024 16:49	WG2355675
Benzo(a)anthracene	ND		0.00500	1	09/06/2024 16:49	WG2355675
Benzo(b)fluoranthene	ND		0.00500	1	09/06/2024 16:49	WG2355675
Benzo(k)fluoranthene	ND		0.00500	1	09/06/2024 16:49	WG2355675
Benzo(a)pyrene	ND		0.00500	1	09/06/2024 16:49	WG2355675
Chrysene	ND		0.00500	1	09/06/2024 16:49	WG2355675
Dibenz(a,h)anthracene	ND		0.00500	1	09/06/2024 16:49	WG2355675
Fluoranthene	ND		0.00500	1	09/06/2024 16:49	WG2355675
Fluorene	ND		0.00500	1	09/06/2024 16:49	WG2355675
Indeno(1,2,3-cd)pyrene	ND		0.00500	1	09/06/2024 16:49	WG2355675
1-Methylnaphthalene	ND		0.00500	1	09/06/2024 16:49	WG2355675
2-Methylnaphthalene	ND		0.00500	1	09/06/2024 16:49	WG2355675
Naphthalene	ND		0.00408	1	09/06/2024 16:49	WG2355675
Pyrene	ND		0.00500	1	09/06/2024 16:49	WG2355675
(S) <i>p</i> -Terphenyl-d14	54.3			23.0-120	09/06/2024 16:49	WG2355675
(S) Nitrobenzene-d5	61.9			14.0-149	09/06/2024 16:49	WG2355675
(S) 2-Fluorobiphenyl	40.3			34.0-125	09/06/2024 16:49	WG2355675

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
TPH (GC/FID) Low Fraction	ND		0.500	1	09/05/2024 11:54	WG2356330
(S)						
<i>a,a,a</i> -Trifluorotoluene(FID)	97.4			77.0-120	09/05/2024 11:54	WG2356330

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Benzene	ND		0.00200	1	09/03/2024 02:43	WG2354831
Toluene	ND		0.00500	1	09/03/2024 02:43	WG2354831
Ethylbenzene	ND		0.00500	1	09/03/2024 02:43	WG2354831
Xylenes, Total	ND		0.0100	1	09/03/2024 02:43	WG2354831
1,2,4-Trimethylbenzene	ND		0.00500	1	09/03/2024 02:43	WG2354831
1,3,5-Trimethylbenzene	ND		0.00500	1	09/03/2024 02:43	WG2354831
(S) Toluene-d8	92.1			75.0-131	09/03/2024 02:43	WG2354831
(S) 4-Bromofluorobenzene	97.1			67.0-138	09/03/2024 02:43	WG2354831
(S) 1,2-Dichloroethane-d4	84.6			70.0-130	09/03/2024 02:43	WG2354831

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
C10-C28 Diesel Range	ND		50.0	1	09/09/2024 13:23	WG2356439
C28-C36 Motor Oil Range	ND		50.0	1	09/09/2024 13:23	WG2356439
(S) <i>o</i> -Terphenyl	74.9			18.0-148	09/09/2024 13:23	WG2356439

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acenaphthene	ND		0.00500	1	09/05/2024 04:20	WG2355677
Anthracene	ND		0.00500	1	09/05/2024 04:20	WG2355677
Benzo(a)anthracene	ND		0.00500	1	09/05/2024 04:20	WG2355677
Benzo(b)fluoranthene	ND		0.00500	1	09/05/2024 04:20	WG2355677
Benzo(k)fluoranthene	ND		0.00500	1	09/05/2024 04:20	WG2355677
Benzo(a)pyrene	ND		0.00500	1	09/05/2024 04:20	WG2355677
Chrysene	ND		0.00500	1	09/05/2024 04:20	WG2355677
Dibenz(a,h)anthracene	ND		0.00500	1	09/05/2024 04:20	WG2355677
Fluoranthene	ND		0.00500	1	09/05/2024 04:20	WG2355677
Fluorene	ND		0.00500	1	09/05/2024 04:20	WG2355677
Indeno(1,2,3-cd)pyrene	ND		0.00500	1	09/05/2024 04:20	WG2355677
1-Methylnaphthalene	ND		0.00500	1	09/05/2024 04:20	WG2355677
2-Methylnaphthalene	ND		0.00500	1	09/05/2024 04:20	WG2355677
Naphthalene	ND		0.00408	1	09/05/2024 04:20	WG2355677
Pyrene	ND		0.00500	1	09/05/2024 04:20	WG2355677
(S) <i>p</i> -Terphenyl-d14	66.0			23.0-120	09/05/2024 04:20	WG2355677
(S) Nitrobenzene-d5	62.5			14.0-149	09/05/2024 04:20	WG2355677
(S) 2-Fluorobiphenyl	58.9			34.0-125	09/05/2024 04:20	WG2355677

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
TPH (GC/FID) Low Fraction	ND		0.500	1	09/03/2024 14:59	WG2355147
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	101			77.0-120	09/03/2024 14:59	WG2355147

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Benzene	ND		0.00200	1	09/03/2024 03:05	WG2354831
Toluene	ND		0.00500	1	09/03/2024 03:05	WG2354831
Ethylbenzene	ND		0.00500	1	09/03/2024 03:05	WG2354831
Xylenes, Total	ND		0.0100	1	09/03/2024 03:05	WG2354831
1,2,4-Trimethylbenzene	ND		0.00500	1	09/03/2024 03:05	WG2354831
1,3,5-Trimethylbenzene	ND		0.00500	1	09/03/2024 03:05	WG2354831
(S) Toluene-d8	92.5			75.0-131	09/03/2024 03:05	WG2354831
(S) 4-Bromofluorobenzene	97.4			67.0-138	09/03/2024 03:05	WG2354831
(S) 1,2-Dichloroethane-d4	90.1			70.0-130	09/03/2024 03:05	WG2354831

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
C10-C28 Diesel Range	ND		50.0	1	09/09/2024 13:10	WG2356439
C28-C36 Motor Oil Range	ND		50.0	1	09/09/2024 13:10	WG2356439
(S) <i>o</i> -Terphenyl	66.6			18.0-148	09/09/2024 13:10	WG2356439

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acenaphthene	ND		0.00500	1	09/05/2024 04:37	WG2355677
Anthracene	ND		0.00500	1	09/05/2024 04:37	WG2355677
Benzo(a)anthracene	ND		0.00500	1	09/05/2024 04:37	WG2355677
Benzo(b)fluoranthene	ND		0.00500	1	09/05/2024 04:37	WG2355677
Benzo(k)fluoranthene	ND		0.00500	1	09/05/2024 04:37	WG2355677
Benzo(a)pyrene	ND		0.00500	1	09/05/2024 04:37	WG2355677
Chrysene	ND		0.00500	1	09/05/2024 04:37	WG2355677
Dibenz(a,h)anthracene	ND		0.00500	1	09/05/2024 04:37	WG2355677
Fluoranthene	ND		0.00500	1	09/05/2024 04:37	WG2355677
Fluorene	ND		0.00500	1	09/05/2024 04:37	WG2355677
Indeno(1,2,3-cd)pyrene	ND		0.00500	1	09/05/2024 04:37	WG2355677
1-Methylnaphthalene	ND		0.00500	1	09/05/2024 04:37	WG2355677
2-Methylnaphthalene	ND		0.00500	1	09/05/2024 04:37	WG2355677
Naphthalene	ND		0.00408	1	09/05/2024 04:37	WG2355677
Pyrene	ND		0.00500	1	09/05/2024 04:37	WG2355677
(S) <i>p</i> -Terphenyl-d14	66.1			23.0-120	09/05/2024 04:37	WG2355677
(S) Nitrobenzene-d5	63.0			14.0-149	09/05/2024 04:37	WG2355677
(S) 2-Fluorobiphenyl	56.5			34.0-125	09/05/2024 04:37	WG2355677

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
TPH (GC/FID) Low Fraction	ND		0.500	1	09/03/2024 15:22	WG2355147
(S)						
a,a,a-Trifluorotoluene(FID)	102			77.0-120	09/03/2024 15:22	WG2355147

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Benzene	ND		0.00200	1	09/03/2024 03:28	WG2354831
Toluene	ND		0.00500	1	09/03/2024 03:28	WG2354831
Ethylbenzene	ND		0.00500	1	09/03/2024 03:28	WG2354831
Xylenes, Total	ND		0.0100	1	09/03/2024 03:28	WG2354831
1,2,4-Trimethylbenzene	ND		0.00500	1	09/03/2024 03:28	WG2354831
1,3,5-Trimethylbenzene	ND		0.00500	1	09/03/2024 03:28	WG2354831
(S) Toluene-d8	89.3			75.0-131	09/03/2024 03:28	WG2354831
(S) 4-Bromofluorobenzene	93.6			67.0-138	09/03/2024 03:28	WG2354831
(S) 1,2-Dichloroethane-d4	91.6			70.0-130	09/03/2024 03:28	WG2354831

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
C10-C28 Diesel Range	ND		50.0	1	09/09/2024 11:48	WG2356439
C28-C36 Motor Oil Range	ND		50.0	1	09/09/2024 11:48	WG2356439
(S) o-Terphenyl	69.4			18.0-148	09/09/2024 11:48	WG2356439

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acenaphthene	ND		0.00500	1	09/05/2024 04:54	WG2355677
Anthracene	ND		0.00500	1	09/05/2024 04:54	WG2355677
Benzo(a)anthracene	ND		0.00500	1	09/05/2024 04:54	WG2355677
Benzo(b)fluoranthene	ND		0.00500	1	09/05/2024 04:54	WG2355677
Benzo(k)fluoranthene	ND		0.00500	1	09/05/2024 04:54	WG2355677
Benzo(a)pyrene	ND		0.00500	1	09/05/2024 04:54	WG2355677
Chrysene	ND		0.00500	1	09/05/2024 04:54	WG2355677
Dibenz(a,h)anthracene	ND		0.00500	1	09/05/2024 04:54	WG2355677
Fluoranthene	ND		0.00500	1	09/05/2024 04:54	WG2355677
Fluorene	ND		0.00500	1	09/05/2024 04:54	WG2355677
Indeno(1,2,3-cd)pyrene	ND		0.00500	1	09/05/2024 04:54	WG2355677
1-Methylnaphthalene	ND		0.00500	1	09/05/2024 04:54	WG2355677
2-Methylnaphthalene	ND		0.00500	1	09/05/2024 04:54	WG2355677
Naphthalene	ND		0.00408	1	09/05/2024 04:54	WG2355677
Pyrene	ND		0.00500	1	09/05/2024 04:54	WG2355677
(S) p-Terphenyl-d14	65.6			23.0-120	09/05/2024 04:54	WG2355677
(S) Nitrobenzene-d5	48.6			14.0-149	09/05/2024 04:54	WG2355677
(S) 2-Fluorobiphenyl	48.2			34.0-125	09/05/2024 04:54	WG2355677

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
TPH (GC/FID) Low Fraction	ND		0.500	1	09/03/2024 15:45	WG2355147
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	102			77.0-120	09/03/2024 15:45	WG2355147

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Benzene	ND		0.00200	1	09/03/2024 03:50	WG2354831
Toluene	ND		0.00500	1	09/03/2024 03:50	WG2354831
Ethylbenzene	ND		0.00500	1	09/03/2024 03:50	WG2354831
Xylenes, Total	ND		0.0100	1	09/03/2024 03:50	WG2354831
1,2,4-Trimethylbenzene	ND		0.00500	1	09/03/2024 03:50	WG2354831
1,3,5-Trimethylbenzene	ND		0.00500	1	09/03/2024 03:50	WG2354831
(S) Toluene-d8	93.4			75.0-131	09/03/2024 03:50	WG2354831
(S) 4-Bromofluorobenzene	94.3			67.0-138	09/03/2024 03:50	WG2354831
(S) 1,2-Dichloroethane-d4	92.2			70.0-130	09/03/2024 03:50	WG2354831

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
C10-C28 Diesel Range	ND		50.0	1	09/09/2024 12:00	WG2356439
C28-C36 Motor Oil Range	ND		50.0	1	09/09/2024 12:00	WG2356439
(S) <i>o</i> -Terphenyl	76.5			18.0-148	09/09/2024 12:00	WG2356439

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acenaphthene	ND		0.00500	1	09/05/2024 05:11	WG2355677
Anthracene	ND		0.00500	1	09/05/2024 05:11	WG2355677
Benzo(a)anthracene	ND		0.00500	1	09/05/2024 05:11	WG2355677
Benzo(b)fluoranthene	ND		0.00500	1	09/05/2024 05:11	WG2355677
Benzo(k)fluoranthene	ND		0.00500	1	09/05/2024 05:11	WG2355677
Benzo(a)pyrene	ND		0.00500	1	09/05/2024 05:11	WG2355677
Chrysene	ND		0.00500	1	09/05/2024 05:11	WG2355677
Dibenz(a,h)anthracene	ND		0.00500	1	09/05/2024 05:11	WG2355677
Fluoranthene	ND		0.00500	1	09/05/2024 05:11	WG2355677
Fluorene	ND		0.00500	1	09/05/2024 05:11	WG2355677
Indeno(1,2,3-cd)pyrene	ND		0.00500	1	09/05/2024 05:11	WG2355677
1-Methylnaphthalene	ND		0.00500	1	09/05/2024 05:11	WG2355677
2-Methylnaphthalene	ND		0.00500	1	09/05/2024 05:11	WG2355677
Naphthalene	ND		0.00408	1	09/05/2024 05:11	WG2355677
Pyrene	ND		0.00500	1	09/05/2024 05:11	WG2355677
(S) <i>p</i> -Terphenyl-d14	68.1			23.0-120	09/05/2024 05:11	WG2355677
(S) Nitrobenzene-d5	61.0			14.0-149	09/05/2024 05:11	WG2355677
(S) 2-Fluorobiphenyl	59.4			34.0-125	09/05/2024 05:11	WG2355677

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
TPH (GC/FID) Low Fraction	ND		0.500	1	09/03/2024 16:09	WG2355147
(S)						
a,a,a-Trifluorotoluene(FID)	103			77.0-120	09/03/2024 16:09	WG2355147

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Benzene	ND		0.00200	1	09/03/2024 04:12	WG2354831
Toluene	ND		0.00500	1	09/03/2024 04:12	WG2354831
Ethylbenzene	ND		0.00500	1	09/03/2024 04:12	WG2354831
Xylenes, Total	ND		0.0100	1	09/03/2024 04:12	WG2354831
1,2,4-Trimethylbenzene	ND		0.00500	1	09/03/2024 04:12	WG2354831
1,3,5-Trimethylbenzene	ND		0.00500	1	09/03/2024 04:12	WG2354831
(S) Toluene-d8	93.6			75.0-131	09/03/2024 04:12	WG2354831
(S) 4-Bromofluorobenzene	93.9			67.0-138	09/03/2024 04:12	WG2354831
(S) 1,2-Dichloroethane-d4	91.3			70.0-130	09/03/2024 04:12	WG2354831

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
C10-C28 Diesel Range	ND		50.0	1	09/09/2024 12:13	WG2356439
C28-C36 Motor Oil Range	ND		50.0	1	09/09/2024 12:13	WG2356439
(S) o-Terphenyl	73.1			18.0-148	09/09/2024 12:13	WG2356439

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acenaphthene	ND		0.00500	1	09/05/2024 05:29	WG2355677
Anthracene	ND		0.00500	1	09/05/2024 05:29	WG2355677
Benzo(a)anthracene	ND		0.00500	1	09/05/2024 05:29	WG2355677
Benzo(b)fluoranthene	ND		0.00500	1	09/05/2024 05:29	WG2355677
Benzo(k)fluoranthene	ND		0.00500	1	09/05/2024 05:29	WG2355677
Benzo(a)pyrene	ND		0.00500	1	09/05/2024 05:29	WG2355677
Chrysene	ND		0.00500	1	09/05/2024 05:29	WG2355677
Dibenz(a,h)anthracene	ND		0.00500	1	09/05/2024 05:29	WG2355677
Fluoranthene	ND		0.00500	1	09/05/2024 05:29	WG2355677
Fluorene	ND		0.00500	1	09/05/2024 05:29	WG2355677
Indeno(1,2,3-cd)pyrene	ND		0.00500	1	09/05/2024 05:29	WG2355677
1-Methylnaphthalene	ND		0.00500	1	09/05/2024 05:29	WG2355677
2-Methylnaphthalene	ND		0.00500	1	09/05/2024 05:29	WG2355677
Naphthalene	ND		0.00408	1	09/05/2024 05:29	WG2355677
Pyrene	ND		0.00500	1	09/05/2024 05:29	WG2355677
(S) p-Terphenyl-d14	55.4			23.0-120	09/05/2024 05:29	WG2355677
(S) Nitrobenzene-d5	50.0			14.0-149	09/05/2024 05:29	WG2355677
(S) 2-Fluorobiphenyl	45.5			34.0-125	09/05/2024 05:29	WG2355677

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
TPH (GC/FID) Low Fraction	ND		0.500	1	09/03/2024 16:32	WG2355147
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	103			77.0-120	09/03/2024 16:32	WG2355147

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Benzene	ND		0.00200	1	09/03/2024 04:34	WG2354831
Toluene	ND		0.00500	1	09/03/2024 04:34	WG2354831
Ethylbenzene	ND		0.00500	1	09/03/2024 04:34	WG2354831
Xylenes, Total	ND		0.0100	1	09/03/2024 04:34	WG2354831
1,2,4-Trimethylbenzene	ND		0.00500	1	09/03/2024 04:34	WG2354831
1,3,5-Trimethylbenzene	ND		0.00500	1	09/03/2024 04:34	WG2354831
(S) Toluene-d8	93.3			75.0-131	09/03/2024 04:34	WG2354831
(S) 4-Bromofluorobenzene	96.5			67.0-138	09/03/2024 04:34	WG2354831
(S) 1,2-Dichloroethane-d4	92.4			70.0-130	09/03/2024 04:34	WG2354831

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
C10-C28 Diesel Range	ND		50.0	1	09/09/2024 12:31	WG2356439
C28-C36 Motor Oil Range	ND		50.0	1	09/09/2024 12:31	WG2356439
(S) <i>o</i> -Terphenyl	71.4			18.0-148	09/09/2024 12:31	WG2356439

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acenaphthene	ND		0.00500	1	09/05/2024 05:46	WG2355677
Anthracene	ND		0.00500	1	09/05/2024 05:46	WG2355677
Benzo(a)anthracene	ND		0.00500	1	09/05/2024 05:46	WG2355677
Benzo(b)fluoranthene	ND		0.00500	1	09/05/2024 05:46	WG2355677
Benzo(k)fluoranthene	ND		0.00500	1	09/05/2024 05:46	WG2355677
Benzo(a)pyrene	ND		0.00500	1	09/05/2024 05:46	WG2355677
Chrysene	ND		0.00500	1	09/05/2024 05:46	WG2355677
Dibenz(a,h)anthracene	ND		0.00500	1	09/05/2024 05:46	WG2355677
Fluoranthene	ND		0.00500	1	09/05/2024 05:46	WG2355677
Fluorene	ND		0.00500	1	09/05/2024 05:46	WG2355677
Indeno(1,2,3-cd)pyrene	ND		0.00500	1	09/05/2024 05:46	WG2355677
1-Methylnaphthalene	ND		0.00500	1	09/05/2024 05:46	WG2355677
2-Methylnaphthalene	ND		0.00500	1	09/05/2024 05:46	WG2355677
Naphthalene	ND		0.00408	1	09/05/2024 05:46	WG2355677
Pyrene	ND		0.00500	1	09/05/2024 05:46	WG2355677
(S) <i>p</i> -Terphenyl-d14	63.2			23.0-120	09/05/2024 05:46	WG2355677
(S) Nitrobenzene-d5	58.3			14.0-149	09/05/2024 05:46	WG2355677
(S) 2-Fluorobiphenyl	54.7			34.0-125	09/05/2024 05:46	WG2355677

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
TPH (GC/FID) Low Fraction	ND		0.500	1	09/03/2024 16:55	WG2355147
(S) a,a,a-Trifluorotoluene(FID)	103			77.0-120	09/03/2024 16:55	WG2355147

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Benzene	ND		0.00200	1	09/03/2024 04:56	WG2354831
Toluene	ND		0.00500	1	09/03/2024 04:56	WG2354831
Ethylbenzene	ND		0.00500	1	09/03/2024 04:56	WG2354831
Xylenes, Total	ND		0.0100	1	09/03/2024 04:56	WG2354831
1,2,4-Trimethylbenzene	ND		0.00500	1	09/03/2024 04:56	WG2354831
1,3,5-Trimethylbenzene	ND		0.00500	1	09/03/2024 04:56	WG2354831
(S) Toluene-d8	90.8			75.0-131	09/03/2024 04:56	WG2354831
(S) 4-Bromofluorobenzene	94.0			67.0-138	09/03/2024 04:56	WG2354831
(S) 1,2-Dichloroethane-d4	88.8			70.0-130	09/03/2024 04:56	WG2354831

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
C10-C28 Diesel Range	ND		50.0	1	09/09/2024 12:44	WG2356439
C28-C36 Motor Oil Range	ND		50.0	1	09/09/2024 12:44	WG2356439
(S) o-Terphenyl	72.1			18.0-148	09/09/2024 12:44	WG2356439

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acenaphthene	ND		0.00500	1	09/05/2024 06:03	WG2355677
Anthracene	ND		0.00500	1	09/05/2024 06:03	WG2355677
Benzo(a)anthracene	ND		0.00500	1	09/05/2024 06:03	WG2355677
Benzo(b)fluoranthene	ND		0.00500	1	09/05/2024 06:03	WG2355677
Benzo(k)fluoranthene	ND		0.00500	1	09/05/2024 06:03	WG2355677
Benzo(a)pyrene	ND		0.00500	1	09/05/2024 06:03	WG2355677
Chrysene	ND		0.00500	1	09/05/2024 06:03	WG2355677
Dibenz(a,h)anthracene	ND		0.00500	1	09/05/2024 06:03	WG2355677
Fluoranthene	ND		0.00500	1	09/05/2024 06:03	WG2355677
Fluorene	ND		0.00500	1	09/05/2024 06:03	WG2355677
Indeno(1,2,3-cd)pyrene	ND		0.00500	1	09/05/2024 06:03	WG2355677
1-Methylnaphthalene	ND		0.00500	1	09/05/2024 06:03	WG2355677
2-Methylnaphthalene	ND		0.00500	1	09/05/2024 06:03	WG2355677
Naphthalene	ND		0.00408	1	09/05/2024 06:03	WG2355677
Pyrene	ND		0.00500	1	09/05/2024 06:03	WG2355677
(S) p-Terphenyl-d14	69.2			23.0-120	09/05/2024 06:03	WG2355677
(S) Nitrobenzene-d5	49.3			14.0-149	09/05/2024 06:03	WG2355677
(S) 2-Fluorobiphenyl	50.3			34.0-125	09/05/2024 06:03	WG2355677

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
TPH (GC/FID) Low Fraction	ND		0.500	1	09/03/2024 17:19	WG2355147
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	102			77.0-120	09/03/2024 17:19	WG2355147

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Benzene	ND		0.00200	1	09/03/2024 05:19	WG2354831
Toluene	ND		0.00500	1	09/03/2024 05:19	WG2354831
Ethylbenzene	ND		0.00500	1	09/03/2024 05:19	WG2354831
Xylenes, Total	ND		0.0100	1	09/03/2024 05:19	WG2354831
1,2,4-Trimethylbenzene	ND		0.00500	1	09/03/2024 05:19	WG2354831
1,3,5-Trimethylbenzene	ND		0.00500	1	09/03/2024 05:19	WG2354831
(S) Toluene-d8	93.7			75.0-131	09/03/2024 05:19	WG2354831
(S) 4-Bromofluorobenzene	95.3			67.0-138	09/03/2024 05:19	WG2354831
(S) 1,2-Dichloroethane-d4	91.3			70.0-130	09/03/2024 05:19	WG2354831

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
C10-C28 Diesel Range	ND		50.0	1	09/09/2024 12:57	WG2356439
C28-C36 Motor Oil Range	ND		50.0	1	09/09/2024 12:57	WG2356439
(S) <i>o</i> -Terphenyl	57.3			18.0-148	09/09/2024 12:57	WG2356439

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acenaphthene	ND		0.00500	1	09/05/2024 06:20	WG2355677
Anthracene	ND		0.00500	1	09/05/2024 06:20	WG2355677
Benzo(a)anthracene	ND		0.00500	1	09/05/2024 06:20	WG2355677
Benzo(b)fluoranthene	ND		0.00500	1	09/05/2024 06:20	WG2355677
Benzo(k)fluoranthene	ND		0.00500	1	09/05/2024 06:20	WG2355677
Benzo(a)pyrene	ND		0.00500	1	09/05/2024 06:20	WG2355677
Chrysene	ND		0.00500	1	09/05/2024 06:20	WG2355677
Dibenz(a,h)anthracene	ND		0.00500	1	09/05/2024 06:20	WG2355677
Fluoranthene	ND		0.00500	1	09/05/2024 06:20	WG2355677
Fluorene	ND		0.00500	1	09/05/2024 06:20	WG2355677
Indeno(1,2,3-cd)pyrene	ND		0.00500	1	09/05/2024 06:20	WG2355677
1-Methylnaphthalene	ND		0.00500	1	09/05/2024 06:20	WG2355677
2-Methylnaphthalene	ND		0.00500	1	09/05/2024 06:20	WG2355677
Naphthalene	ND		0.00408	1	09/05/2024 06:20	WG2355677
Pyrene	ND		0.00500	1	09/05/2024 06:20	WG2355677
(S) <i>p</i> -Terphenyl-d14	61.0			23.0-120	09/05/2024 06:20	WG2355677
(S) Nitrobenzene-d5	47.5			14.0-149	09/05/2024 06:20	WG2355677
(S) 2-Fluorobiphenyl	47.6			34.0-125	09/05/2024 06:20	WG2355677

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
TPH (GC/FID) Low Fraction	ND		0.500	1	09/03/2024 17:42	WG2355147
(S)						
a,a,a-Trifluorotoluene(FID)	101			77.0-120	09/03/2024 17:42	WG2355147

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Benzene	ND		0.00200	1	09/03/2024 05:41	WG2354831
Toluene	ND		0.00500	1	09/03/2024 05:41	WG2354831
Ethylbenzene	ND		0.00500	1	09/03/2024 05:41	WG2354831
Xylenes, Total	ND		0.0100	1	09/03/2024 05:41	WG2354831
1,2,4-Trimethylbenzene	ND		0.00500	1	09/03/2024 05:41	WG2354831
1,3,5-Trimethylbenzene	ND		0.00500	1	09/03/2024 05:41	WG2354831
(S) Toluene-d8	90.8			75.0-131	09/03/2024 05:41	WG2354831
(S) 4-Bromofluorobenzene	93.6			67.0-138	09/03/2024 05:41	WG2354831
(S) 1,2-Dichloroethane-d4	86.8			70.0-130	09/03/2024 05:41	WG2354831

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
C10-C28 Diesel Range	ND		50.0	1	09/09/2024 13:36	WG2356439
C28-C36 Motor Oil Range	ND		50.0	1	09/09/2024 13:36	WG2356439
(S) o-Terphenyl	76.4			18.0-148	09/09/2024 13:36	WG2356439

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acenaphthene	ND		0.00500	1	09/05/2024 06:38	WG2355677
Anthracene	ND		0.00500	1	09/05/2024 06:38	WG2355677
Benzo(a)anthracene	ND		0.00500	1	09/05/2024 06:38	WG2355677
Benzo(b)fluoranthene	ND		0.00500	1	09/05/2024 06:38	WG2355677
Benzo(k)fluoranthene	ND		0.00500	1	09/05/2024 06:38	WG2355677
Benzo(a)pyrene	ND		0.00500	1	09/05/2024 06:38	WG2355677
Chrysene	ND		0.00500	1	09/05/2024 06:38	WG2355677
Dibenz(a,h)anthracene	ND		0.00500	1	09/05/2024 06:38	WG2355677
Fluoranthene	ND		0.00500	1	09/05/2024 06:38	WG2355677
Fluorene	ND		0.00500	1	09/05/2024 06:38	WG2355677
Indeno(1,2,3-cd)pyrene	ND		0.00500	1	09/05/2024 06:38	WG2355677
1-Methylnaphthalene	ND		0.00500	1	09/05/2024 06:38	WG2355677
2-Methylnaphthalene	ND		0.00500	1	09/05/2024 06:38	WG2355677
Naphthalene	ND		0.00408	1	09/05/2024 06:38	WG2355677
Pyrene	ND		0.00500	1	09/05/2024 06:38	WG2355677
(S) p-Terphenyl-d14	65.3			23.0-120	09/05/2024 06:38	WG2355677
(S) Nitrobenzene-d5	56.3			14.0-149	09/05/2024 06:38	WG2355677
(S) 2-Fluorobiphenyl	54.0			34.0-125	09/05/2024 06:38	WG2355677

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
TPH (GC/FID) Low Fraction	ND		0.500	1	09/03/2024 18:05	WG2355147
(S)						
<i>a,a,a</i> -Trifluorotoluene(FID)	101			77.0-120	09/03/2024 18:05	WG2355147

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Benzene	ND		0.00200	1	09/03/2024 06:03	WG2354831
Toluene	ND		0.00500	1	09/03/2024 06:03	WG2354831
Ethylbenzene	ND		0.00500	1	09/03/2024 06:03	WG2354831
Xylenes, Total	ND		0.0100	1	09/03/2024 06:03	WG2354831
1,2,4-Trimethylbenzene	ND		0.00500	1	09/03/2024 06:03	WG2354831
1,3,5-Trimethylbenzene	ND		0.00500	1	09/03/2024 06:03	WG2354831
(S) Toluene-d8	91.4			75.0-131	09/03/2024 06:03	WG2354831
(S) 4-Bromofluorobenzene	95.4			67.0-138	09/03/2024 06:03	WG2354831
(S) 1,2-Dichloroethane-d4	91.4			70.0-130	09/03/2024 06:03	WG2354831

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
C10-C28 Diesel Range	ND		50.0	1	09/09/2024 13:49	WG2356439
C28-C36 Motor Oil Range	ND		50.0	1	09/09/2024 13:49	WG2356439
(S) <i>o</i> -Terphenyl	60.8			18.0-148	09/09/2024 13:49	WG2356439

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acenaphthene	ND		0.00500	1	09/05/2024 06:55	WG2355677
Anthracene	ND		0.00500	1	09/05/2024 06:55	WG2355677
Benzo(a)anthracene	ND		0.00500	1	09/05/2024 06:55	WG2355677
Benzo(b)fluoranthene	ND		0.00500	1	09/05/2024 06:55	WG2355677
Benzo(k)fluoranthene	ND		0.00500	1	09/05/2024 06:55	WG2355677
Benzo(a)pyrene	ND		0.00500	1	09/05/2024 06:55	WG2355677
Chrysene	ND		0.00500	1	09/05/2024 06:55	WG2355677
Dibenz(a,h)anthracene	ND		0.00500	1	09/05/2024 06:55	WG2355677
Fluoranthene	ND		0.00500	1	09/05/2024 06:55	WG2355677
Fluorene	ND		0.00500	1	09/05/2024 06:55	WG2355677
Indeno(1,2,3-cd)pyrene	ND		0.00500	1	09/05/2024 06:55	WG2355677
1-Methylnaphthalene	ND		0.00500	1	09/05/2024 06:55	WG2355677
2-Methylnaphthalene	ND		0.00500	1	09/05/2024 06:55	WG2355677
Naphthalene	ND		0.00408	1	09/05/2024 06:55	WG2355677
Pyrene	ND		0.00500	1	09/05/2024 06:55	WG2355677
(S) <i>p</i> -Terphenyl-d14	70.9			23.0-120	09/05/2024 06:55	WG2355677
(S) Nitrobenzene-d5	57.2			14.0-149	09/05/2024 06:55	WG2355677
(S) 2-Fluorobiphenyl	57.8			34.0-125	09/05/2024 06:55	WG2355677

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
TPH (GC/FID) Low Fraction	ND		0.500	1	09/03/2024 18:28	WG2355147
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	101			77.0-120	09/03/2024 18:28	WG2355147

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Benzene	ND		0.00200	1	09/03/2024 11:26	WG2354873
Toluene	ND		0.00500	1	09/03/2024 11:26	WG2354873
Ethylbenzene	ND		0.00500	1	09/03/2024 11:26	WG2354873
Xylenes, Total	ND		0.0100	1	09/03/2024 11:26	WG2354873
1,2,4-Trimethylbenzene	ND		0.00500	1	09/03/2024 11:26	WG2354873
1,3,5-Trimethylbenzene	ND		0.00500	1	09/03/2024 11:26	WG2354873
(S) Toluene-d8	94.1			75.0-131	09/03/2024 11:26	WG2354873
(S) 4-Bromofluorobenzene	94.3			67.0-138	09/03/2024 11:26	WG2354873
(S) 1,2-Dichloroethane-d4	104			70.0-130	09/03/2024 11:26	WG2354873

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
C10-C28 Diesel Range	ND		50.0	1	09/07/2024 14:56	WG2356440
C28-C36 Motor Oil Range	ND		50.0	1	09/07/2024 14:56	WG2356440
(S) <i>o</i> -Terphenyl	66.8			18.0-148	09/07/2024 14:56	WG2356440

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acenaphthene	ND		0.00500	1	09/05/2024 07:47	WG2355677
Anthracene	ND		0.00500	1	09/05/2024 07:47	WG2355677
Benzo(a)anthracene	ND		0.00500	1	09/05/2024 07:47	WG2355677
Benzo(b)fluoranthene	ND		0.00500	1	09/05/2024 07:47	WG2355677
Benzo(k)fluoranthene	ND		0.00500	1	09/05/2024 07:47	WG2355677
Benzo(a)pyrene	ND		0.00500	1	09/05/2024 07:47	WG2355677
Chrysene	ND		0.00500	1	09/05/2024 07:47	WG2355677
Dibenz(a,h)anthracene	ND		0.00500	1	09/05/2024 07:47	WG2355677
Fluoranthene	ND		0.00500	1	09/05/2024 07:47	WG2355677
Fluorene	ND		0.00500	1	09/05/2024 07:47	WG2355677
Indeno(1,2,3-cd)pyrene	ND		0.00500	1	09/05/2024 07:47	WG2355677
1-Methylnaphthalene	ND		0.00500	1	09/05/2024 07:47	WG2355677
2-Methylnaphthalene	ND		0.00500	1	09/05/2024 07:47	WG2355677
Naphthalene	ND		0.00408	1	09/05/2024 07:47	WG2355677
Pyrene	ND		0.00500	1	09/05/2024 07:47	WG2355677
(S) <i>p</i> -Terphenyl-d14	65.8			23.0-120	09/05/2024 07:47	WG2355677
(S) Nitrobenzene-d5	52.3			14.0-149	09/05/2024 07:47	WG2355677
(S) 2-Fluorobiphenyl	51.7			34.0-125	09/05/2024 07:47	WG2355677

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
TPH (GC/FID) Low Fraction	ND		0.500	1	09/03/2024 18:51	WG2355147
(S)						
<i>a,a,a</i> -Trifluorotoluene(FID)	101			77.0-120	09/03/2024 18:51	WG2355147

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Benzene	ND		0.00200	1	09/03/2024 11:46	WG2354873
Toluene	ND		0.00500	1	09/03/2024 11:46	WG2354873
Ethylbenzene	ND		0.00500	1	09/03/2024 11:46	WG2354873
Xylenes, Total	ND		0.0100	1	09/03/2024 11:46	WG2354873
1,2,4-Trimethylbenzene	ND		0.00500	1	09/03/2024 11:46	WG2354873
1,3,5-Trimethylbenzene	ND		0.00500	1	09/03/2024 11:46	WG2354873
(S) Toluene-d8	92.3			75.0-131	09/03/2024 11:46	WG2354873
(S) 4-Bromofluorobenzene	95.9			67.0-138	09/03/2024 11:46	WG2354873
(S) 1,2-Dichloroethane-d4	91.0			70.0-130	09/03/2024 11:46	WG2354873

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
C10-C28 Diesel Range	ND		50.0	1	09/07/2024 15:09	WG2356440
C28-C36 Motor Oil Range	ND		50.0	1	09/07/2024 15:09	WG2356440
(S) <i>o</i> -Terphenyl	69.1			18.0-148	09/07/2024 15:09	WG2356440

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acenaphthene	ND		0.00500	1	09/05/2024 08:04	WG2355677
Anthracene	ND		0.00500	1	09/05/2024 08:04	WG2355677
Benzo(a)anthracene	ND		0.00500	1	09/05/2024 08:04	WG2355677
Benzo(b)fluoranthene	ND		0.00500	1	09/05/2024 08:04	WG2355677
Benzo(k)fluoranthene	ND		0.00500	1	09/05/2024 08:04	WG2355677
Benzo(a)pyrene	ND		0.00500	1	09/05/2024 08:04	WG2355677
Chrysene	ND		0.00500	1	09/05/2024 08:04	WG2355677
Dibenz(a,h)anthracene	ND		0.00500	1	09/05/2024 08:04	WG2355677
Fluoranthene	ND		0.00500	1	09/05/2024 08:04	WG2355677
Fluorene	ND		0.00500	1	09/05/2024 08:04	WG2355677
Indeno(1,2,3-cd)pyrene	ND		0.00500	1	09/05/2024 08:04	WG2355677
1-Methylnaphthalene	ND		0.00500	1	09/05/2024 08:04	WG2355677
2-Methylnaphthalene	ND		0.00500	1	09/05/2024 08:04	WG2355677
Naphthalene	ND		0.00408	1	09/05/2024 08:04	WG2355677
Pyrene	ND		0.00500	1	09/05/2024 08:04	WG2355677
(S) <i>p</i> -Terphenyl-d14	66.1			23.0-120	09/05/2024 08:04	WG2355677
(S) Nitrobenzene-d5	54.6			14.0-149	09/05/2024 08:04	WG2355677
(S) 2-Fluorobiphenyl	54.0			34.0-125	09/05/2024 08:04	WG2355677

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
TPH (GC/FID) Low Fraction	ND		0.500	1	09/03/2024 11:26	WG2355151
(S)						
a,a,a-Trifluorotoluene(FID)	99.3			77.0-120	09/03/2024 11:26	WG2355151

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Benzene	ND		0.00200	1	09/03/2024 12:06	WG2354873
Toluene	ND		0.00500	1	09/03/2024 12:06	WG2354873
Ethylbenzene	ND		0.00500	1	09/03/2024 12:06	WG2354873
Xylenes, Total	ND		0.0100	1	09/03/2024 12:06	WG2354873
1,2,4-Trimethylbenzene	ND		0.00500	1	09/03/2024 12:06	WG2354873
1,3,5-Trimethylbenzene	ND		0.00500	1	09/03/2024 12:06	WG2354873
(S) Toluene-d8	97.2			75.0-131	09/03/2024 12:06	WG2354873
(S) 4-Bromofluorobenzene	96.6			67.0-138	09/03/2024 12:06	WG2354873
(S) 1,2-Dichloroethane-d4	104			70.0-130	09/03/2024 12:06	WG2354873

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
C10-C28 Diesel Range	ND		50.0	1	09/07/2024 15:23	WG2356440
C28-C36 Motor Oil Range	ND		50.0	1	09/07/2024 15:23	WG2356440
(S) o-Terphenyl	77.1			18.0-148	09/07/2024 15:23	WG2356440

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acenaphthene	ND		0.00500	1	09/05/2024 09:48	WG2355669
Anthracene	ND		0.00500	1	09/05/2024 09:48	WG2355669
Benzo(a)anthracene	ND		0.00500	1	09/05/2024 09:48	WG2355669
Benzo(b)fluoranthene	ND		0.00500	1	09/05/2024 09:48	WG2355669
Benzo(k)fluoranthene	ND		0.00500	1	09/05/2024 09:48	WG2355669
Benzo(a)pyrene	ND		0.00500	1	09/05/2024 09:48	WG2355669
Chrysene	ND		0.00500	1	09/05/2024 09:48	WG2355669
Dibenz(a,h)anthracene	ND		0.00500	1	09/05/2024 09:48	WG2355669
Fluoranthene	ND		0.00500	1	09/05/2024 09:48	WG2355669
Fluorene	ND		0.00500	1	09/05/2024 09:48	WG2355669
Indeno(1,2,3-cd)pyrene	ND		0.00500	1	09/05/2024 09:48	WG2355669
1-Methylnaphthalene	ND		0.00500	1	09/05/2024 09:48	WG2355669
2-Methylnaphthalene	ND		0.00500	1	09/05/2024 09:48	WG2355669
Naphthalene	ND		0.00408	1	09/05/2024 09:48	WG2355669
Pyrene	ND		0.00500	1	09/05/2024 09:48	WG2355669
(S) p-Terphenyl-d14	97.9			23.0-120	09/05/2024 09:48	WG2355669
(S) Nitrobenzene-d5	99.6			14.0-149	09/05/2024 09:48	WG2355669
(S) 2-Fluorobiphenyl	91.5			34.0-125	09/05/2024 09:48	WG2355669

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4115592-2 09/02/24 20:42

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	ND		0.0217	0.100
^(S) a,a,a-Trifluorotoluene(FID)	103			77.0-120

Laboratory Control Sample (LCS)

(LCS) R4115592-1 09/02/24 19:43

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.00	4.89	97.8	72.0-127	
^(S) a,a,a-Trifluorotoluene(FID)			107	77.0-120	

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Method Blank (MB)

(MB) R4115569-2 09/03/24 11:08

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	ND		0.0217	0.100
^(S) a,a,a-Trifluorotoluene(FID)	104			77.0-120

Laboratory Control Sample (LCS)

(LCS) R4115569-1 09/03/24 10:22

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.00	5.24	105	72.0-127	
^(S) a,a,a-Trifluorotoluene(FID)			107	77.0-120	

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Method Blank (MB)

(MB) R4116085-2 09/03/24 10:39

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	0.0503	↓	0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	101			77.0-120

Laboratory Control Sample (LCS)

(LCS) R4116085-1 09/03/24 10:12

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.00	4.90	98.0	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			109	77.0-120	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4116016-2 09/05/24 10:32

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	ND		0.0217	0.100
^(S) a,a,a-Trifluorotoluene(FID)	97.8			77.0-120

Laboratory Control Sample (LCS)

(LCS) R4116016-1 09/05/24 09:46

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.00	5.20	104	72.0-127	
^(S) a,a,a-Trifluorotoluene(FID)			108	77.0-120	

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Method Blank (MB)

(MB) R4115127-3 09/02/24 09:59

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	ND		0.000467	0.00100
Toluene	ND		0.00130	0.00500
Ethylbenzene	ND		0.000737	0.00250
Xylenes, Total	ND		0.000880	0.00650
1,2,4-Trimethylbenzene	ND		0.00158	0.00500
1,3,5-Trimethylbenzene	ND		0.00200	0.00500
(S) Toluene-d8	94.5			75.0-131
(S) 4-Bromofluorobenzene	94.5			67.0-138
(S) 1,2-Dichloroethane-d4	85.4			70.0-130

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4115127-1 09/02/24 08:08 • (LCSD) R4115127-2 09/02/24 08:30

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.125	0.136	0.152	109	122	70.0-123			11.1	20
Toluene	0.125	0.115	0.123	92.0	98.4	75.0-121			6.72	20
Ethylbenzene	0.125	0.125	0.129	100	103	74.0-126			3.15	20
Xylenes, Total	0.375	0.353	0.377	94.1	101	72.0-127			6.58	20
1,2,4-Trimethylbenzene	0.125	0.109	0.119	87.2	95.2	70.0-126			8.77	20
1,3,5-Trimethylbenzene	0.125	0.108	0.118	86.4	94.4	73.0-127			8.85	20
(S) Toluene-d8				88.7	85.3	75.0-131				
(S) 4-Bromofluorobenzene				95.3	94.6	67.0-138				
(S) 1,2-Dichloroethane-d4				93.8	96.3	70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4115769-3 09/02/24 22:38

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	ND		0.000467	0.00100
Toluene	ND		0.00130	0.00500
Ethylbenzene	ND		0.000737	0.00250
Xylenes, Total	ND		0.000880	0.00650
1,2,4-Trimethylbenzene	ND		0.00158	0.00500
1,3,5-Trimethylbenzene	ND		0.00200	0.00500
(S) Toluene-d8	89.9			75.0-131
(S) 4-Bromofluorobenzene	93.7			67.0-138
(S) 1,2-Dichloroethane-d4	87.6			70.0-130

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4115769-1 09/02/24 20:47 • (LCSD) R4115769-2 09/02/24 21:09

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.125	0.133	0.148	106	118	70.0-123			10.7	20
Toluene	0.125	0.109	0.118	87.2	94.4	75.0-121			7.93	20
Ethylbenzene	0.125	0.118	0.127	94.4	102	74.0-126			7.35	20
Xylenes, Total	0.375	0.336	0.366	89.6	97.6	72.0-127			8.55	20
1,2,4-Trimethylbenzene	0.125	0.107	0.124	85.6	99.2	70.0-126			14.7	20
1,3,5-Trimethylbenzene	0.125	0.108	0.118	86.4	94.4	73.0-127			8.85	20
(S) Toluene-d8				86.3	84.8	75.0-131				
(S) 4-Bromofluorobenzene				95.5	95.6	67.0-138				
(S) 1,2-Dichloroethane-d4				96.9	98.6	70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4115211-3 09/03/24 07:50

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	ND		0.000467	0.00100
Toluene	ND		0.00130	0.00500
Ethylbenzene	ND		0.000737	0.00250
Xylenes, Total	ND		0.000880	0.00650
1,2,4-Trimethylbenzene	ND		0.00158	0.00500
1,3,5-Trimethylbenzene	ND		0.00200	0.00500
(S) Toluene-d8	94.6			75.0-131
(S) 4-Bromofluorobenzene	98.8			67.0-138
(S) 1,2-Dichloroethane-d4	96.3			70.0-130

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4115211-1 09/03/24 06:11 • (LCSD) R4115211-2 09/03/24 06:31

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.125	0.124	0.130	99.2	104	70.0-123			4.72	20
Toluene	0.125	0.121	0.123	96.8	98.4	75.0-121			1.64	20
Ethylbenzene	0.125	0.120	0.121	96.0	96.8	74.0-126			0.830	20
Xylenes, Total	0.375	0.377	0.370	101	98.7	72.0-127			1.87	20
1,2,4-Trimethylbenzene	0.125	0.110	0.109	88.0	87.2	70.0-126			0.913	20
1,3,5-Trimethylbenzene	0.125	0.110	0.106	88.0	84.8	73.0-127			3.70	20
(S) Toluene-d8				91.8	93.1	75.0-131				
(S) 4-Bromofluorobenzene				92.9	93.9	67.0-138				
(S) 1,2-Dichloroethane-d4				99.2	108	70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4116099-1 09/05/24 16:44

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C10-C28 Diesel Range	ND		1.61	4.00
C28-C36 Motor Oil Range	ND		0.274	4.00
(S) o-Terphenyl	72.7			18.0-148

Laboratory Control Sample (LCS)

(LCS) R4116099-2 09/05/24 16:57

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	32.7	65.4	50.0-150	
(S) o-Terphenyl			66.1	18.0-148	

L1772177-19 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1772177-19 09/05/24 19:51 • (MS) R4116099-3 09/05/24 20:05 • (MSD) R4116099-4 09/05/24 20:18

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
C10-C28 Diesel Range	49.0	ND	ND	ND	65.7	66.7	1	50.0-150			3.06	20
(S) o-Terphenyl					62.1	68.4		18.0-148				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4117437-1 09/09/24 11:22

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C10-C28 Diesel Range	ND		1.61	4.00
C28-C36 Motor Oil Range	ND		0.274	4.00
(S) o-Terphenyl	79.7			18.0-148

Laboratory Control Sample (LCS)

(LCS) R4117437-2 09/09/24 11:35

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	38.3	76.6	50.0-150	
(S) o-Terphenyl			77.5	18.0-148	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4116878-1 09/07/24 14:28

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C10-C28 Diesel Range	ND		1.61	4.00
C28-C36 Motor Oil Range	ND		0.274	4.00
(S) o-Terphenyl	82.1			18.0-148

Laboratory Control Sample (LCS)

(LCS) R4116878-2 09/07/24 14:43

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	36.4	72.8	50.0-150	
(S) o-Terphenyl			77.0	18.0-148	

L1772190-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1772190-03 09/07/24 14:56 • (MS) R4116878-3 09/07/24 15:09 • (MSD) R4116878-4 09/07/24 15:23

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
C10-C28 Diesel Range	50.0	ND	ND	ND	52.4	59.4	1	50.0-150			12.5	20
(S) o-Terphenyl					51.1	54.8		18.0-148				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4115937-2 09/05/24 02:55

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acenaphthene	ND		0.00209	0.00600
Anthracene	ND		0.00230	0.00600
Benzo(a)anthracene	ND		0.00173	0.00600
Benzo(b)fluoranthene	ND		0.00153	0.00600
Benzo(k)fluoranthene	ND		0.00215	0.00600
Benzo(a)pyrene	ND		0.00179	0.00600
Chrysene	ND		0.00232	0.00600
Dibenz(a,h)anthracene	ND		0.00172	0.00600
Fluoranthene	ND		0.00227	0.00600
Fluorene	ND		0.00205	0.00600
Indeno(1,2,3-cd)pyrene	ND		0.00181	0.00600
1-Methylnaphthalene	ND		0.00449	0.0200
2-Methylnaphthalene	ND		0.00427	0.0200
Naphthalene	ND		0.00408	0.0200
Pyrene	ND		0.00200	0.00600
(S) p-Terphenyl-d14	129	J1		23.0-120
(S) Nitrobenzene-d5	101			14.0-149
(S) 2-Fluorobiphenyl	124			34.0-125

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R4115937-1 09/05/24 02:37

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.0800	0.0723	90.4	50.0-120	
Anthracene	0.0800	0.0802	100	50.0-126	
Benzo(a)anthracene	0.0800	0.0801	100	45.0-120	
Benzo(b)fluoranthene	0.0800	0.0884	111	42.0-121	
Benzo(k)fluoranthene	0.0800	0.0858	107	49.0-125	
Benzo(a)pyrene	0.0800	0.0783	97.9	42.0-120	
Chrysene	0.0800	0.0887	111	49.0-122	
Dibenz(a,h)anthracene	0.0800	0.0860	108	47.0-125	
Fluoranthene	0.0800	0.0855	107	49.0-129	
Fluorene	0.0800	0.0797	99.6	49.0-120	
Indeno(1,2,3-cd)pyrene	0.0800	0.0802	100	46.0-125	
1-Methylnaphthalene	0.0800	0.0743	92.9	51.0-121	
2-Methylnaphthalene	0.0800	0.0719	89.9	50.0-120	
Naphthalene	0.0800	0.0691	86.4	50.0-120	
Pyrene	0.0800	0.0869	109	43.0-123	

Laboratory Control Sample (LCS)

(LCS) R4115937-1 09/05/24 02:37

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
(S) p-Terphenyl-d14			114	23.0-120	
(S) Nitrobenzene-d5			96.9	14.0-149	
(S) 2-Fluorobiphenyl			112	34.0-125	

L1773045-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1773045-08 09/05/24 12:06 • (MS) R4115937-3 09/05/24 12:24 • (MSD) R4115937-4 09/05/24 12:42

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Acenaphthene	0.0800	ND	0.0679	0.0696	84.9	87.0	1	14.0-127			2.47	27
Anthracene	0.0800	ND	0.0752	0.0755	94.0	94.4	1	10.0-145			0.398	30
Benzo(a)anthracene	0.0800	ND	0.0737	0.0731	92.1	91.4	1	10.0-139			0.817	30
Benzo(b)fluoranthene	0.0800	ND	0.0810	0.0815	101	102	1	10.0-140			0.615	36
Benzo(k)fluoranthene	0.0800	ND	0.0780	0.0775	97.5	96.9	1	10.0-137			0.643	31
Benzo(a)pyrene	0.0800	ND	0.0751	0.0746	93.9	93.3	1	10.0-141			0.668	31
Chrysene	0.0800	ND	0.0825	0.0814	103	102	1	10.0-145			1.34	30
Dibenz(a,h)anthracene	0.0800	ND	0.0812	0.0800	102	100	1	10.0-132			1.49	31
Fluoranthene	0.0800	ND	0.0801	0.0801	100	100	1	10.0-153			0.000	33
Fluorene	0.0800	ND	0.0760	0.0759	95.0	94.9	1	11.0-130			0.132	29
Indeno(1,2,3-cd)pyrene	0.0800	ND	0.0730	0.0729	91.3	91.1	1	10.0-137			0.137	32
1-Methylnaphthalene	0.0800	ND	0.0689	0.0713	86.1	89.1	1	10.0-142			3.42	28
2-Methylnaphthalene	0.0800	ND	0.0662	0.0690	82.8	86.3	1	10.0-137			4.14	28
Naphthalene	0.0800	ND	0.0645	0.0673	80.6	84.1	1	10.0-135			4.25	27
Pyrene	0.0800	ND	0.0806	0.0798	101	99.8	1	10.0-148			0.998	35
(S) p-Terphenyl-d14					110	105		23.0-120				
(S) Nitrobenzene-d5					99.2	94.6		14.0-149				
(S) 2-Fluorobiphenyl					109	105		34.0-125				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4116009-2 09/05/24 14:08

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acenaphthene	ND		0.00209	0.00600
Anthracene	ND		0.00230	0.00600
Benzo(a)anthracene	ND		0.00173	0.00600
Benzo(b)fluoranthene	ND		0.00153	0.00600
Benzo(k)fluoranthene	ND		0.00215	0.00600
Benzo(a)pyrene	ND		0.00179	0.00600
Chrysene	ND		0.00232	0.00600
Dibenz(a,h)anthracene	ND		0.00172	0.00600
Fluoranthene	ND		0.00227	0.00600
Fluorene	ND		0.00205	0.00600
Indeno(1,2,3-cd)pyrene	ND		0.00181	0.00600
1-Methylnaphthalene	ND		0.00449	0.0200
2-Methylnaphthalene	ND		0.00427	0.0200
Naphthalene	ND		0.00408	0.0200
Pyrene	ND		0.00200	0.00600
(S) p-Terphenyl-d14	72.2			23.0-120
(S) Nitrobenzene-d5	40.2			14.0-149
(S) 2-Fluorobiphenyl	50.8			34.0-125

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS)

(LCS) R4116009-1 09/05/24 13:50

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.0800	0.0681	85.1	50.0-120	
Anthracene	0.0800	0.0813	102	50.0-126	
Benzo(a)anthracene	0.0800	0.0832	104	45.0-120	
Benzo(b)fluoranthene	0.0800	0.0741	92.6	42.0-121	
Benzo(k)fluoranthene	0.0800	0.0740	92.5	49.0-125	
Benzo(a)pyrene	0.0800	0.0717	89.6	42.0-120	
Chrysene	0.0800	0.0822	103	49.0-122	
Dibenz(a,h)anthracene	0.0800	0.0842	105	47.0-125	
Fluoranthene	0.0800	0.0833	104	49.0-129	
Fluorene	0.0800	0.0791	98.9	49.0-120	
Indeno(1,2,3-cd)pyrene	0.0800	0.0806	101	46.0-125	
1-Methylnaphthalene	0.0800	0.0725	90.6	51.0-121	
2-Methylnaphthalene	0.0800	0.0703	87.9	50.0-120	
Naphthalene	0.0800	0.0660	82.5	50.0-120	
Pyrene	0.0800	0.0775	96.9	43.0-123	

Laboratory Control Sample (LCS)

(LCS) R4116009-1 09/05/24 13:50

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
(S) p-Terphenyl-d14			77.6	23.0-120	
(S) Nitrobenzene-d5			54.9	14.0-149	
(S) 2-Fluorobiphenyl			63.4	34.0-125	

L1772177-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1772177-10 09/05/24 15:04 • (MS) R4116474-1 09/05/24 15:21 • (MSD) R4116474-2 09/05/24 15:39

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.0792	ND	0.0490	0.0459	61.9	58.0	1	14.0-127			6.53	27
Anthracene	0.0792	ND	0.0582	0.0548	73.5	69.2	1	10.0-145			6.02	30
Benzo(a)anthracene	0.0792	ND	0.0560	0.0537	70.7	67.8	1	10.0-139			4.19	30
Benzo(b)fluoranthene	0.0792	ND	0.0526	0.0505	66.4	63.8	1	10.0-140			4.07	36
Benzo(k)fluoranthene	0.0792	ND	0.0561	0.0542	70.8	68.4	1	10.0-137			3.45	31
Benzo(a)pyrene	0.0792	ND	0.0559	0.0544	70.6	68.7	1	10.0-141			2.72	31
Chrysene	0.0792	ND	0.0579	0.0571	73.1	72.1	1	10.0-145			1.39	30
Dibenz(a,h)anthracene	0.0792	ND	0.0531	0.0514	67.0	64.9	1	10.0-132			3.25	31
Fluoranthene	0.0792	ND	0.0596	0.0554	75.3	69.9	1	10.0-153			7.30	33
Fluorene	0.0792	ND	0.0563	0.0526	71.1	66.4	1	11.0-130			6.80	29
Indeno(1,2,3-cd)pyrene	0.0792	ND	0.0507	0.0483	64.0	61.0	1	10.0-137			4.85	32
1-Methylnaphthalene	0.0792	ND	0.0462	0.0444	58.3	56.1	1	10.0-142			3.97	28
2-Methylnaphthalene	0.0792	ND	0.0447	0.0426	56.4	53.8	1	10.0-137			4.81	28
Naphthalene	0.0792	ND	0.0472	0.0459	59.6	58.0	1	10.0-135			2.79	27
Pyrene	0.0792	ND	0.0589	0.0556	74.4	70.2	1	10.0-148			5.76	35
(S) p-Terphenyl-d14					54.4	55.0		23.0-120				
(S) Nitrobenzene-d5					68.0	57.7		14.0-149				
(S) 2-Fluorobiphenyl					56.4	48.7		34.0-125				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4116129-2 09/05/24 03:11

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acenaphthene	ND		0.00209	0.00600
Anthracene	ND		0.00230	0.00600
Benzo(a)anthracene	ND		0.00173	0.00600
Benzo(b)fluoranthene	ND		0.00153	0.00600
Benzo(k)fluoranthene	ND		0.00215	0.00600
Benzo(a)pyrene	ND		0.00179	0.00600
Chrysene	ND		0.00232	0.00600
Dibenz(a,h)anthracene	ND		0.00172	0.00600
Fluoranthene	ND		0.00227	0.00600
Fluorene	ND		0.00205	0.00600
Indeno(1,2,3-cd)pyrene	ND		0.00181	0.00600
1-Methylnaphthalene	ND		0.00449	0.0200
2-Methylnaphthalene	ND		0.00427	0.0200
Naphthalene	ND		0.00408	0.0200
Pyrene	ND		0.00200	0.00600
(S) p-Terphenyl-d14	68.7			23.0-120
(S) Nitrobenzene-d5	49.2			14.0-149
(S) 2-Fluorobiphenyl	51.4			34.0-125

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4116129-1 09/05/24 02:53

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.0800	0.0612	76.5	50.0-120	
Anthracene	0.0800	0.0671	83.9	50.0-126	
Benzo(a)anthracene	0.0800	0.0688	86.0	45.0-120	
Benzo(b)fluoranthene	0.0800	0.0741	92.6	42.0-121	
Benzo(k)fluoranthene	0.0800	0.0694	86.8	49.0-125	
Benzo(a)pyrene	0.0800	0.0647	80.9	42.0-120	
Chrysene	0.0800	0.0728	91.0	49.0-122	
Dibenz(a,h)anthracene	0.0800	0.0760	95.0	47.0-125	
Fluoranthene	0.0800	0.0721	90.1	49.0-129	
Fluorene	0.0800	0.0705	88.1	49.0-120	
Indeno(1,2,3-cd)pyrene	0.0800	0.0719	89.9	46.0-125	
1-Methylnaphthalene	0.0800	0.0642	80.3	51.0-121	
2-Methylnaphthalene	0.0800	0.0625	78.1	50.0-120	
Naphthalene	0.0800	0.0596	74.5	50.0-120	
Pyrene	0.0800	0.0711	88.9	43.0-123	

Laboratory Control Sample (LCS)

(LCS) R4116129-1 09/05/24 02:53

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
(S) p-Terphenyl-d14			71.1	23.0-120	
(S) Nitrobenzene-d5			52.6	14.0-149	
(S) 2-Fluorobiphenyl			54.8	34.0-125	

L1772177-30 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1772177-30 09/05/24 06:55 • (MS) R4116129-3 09/05/24 07:12 • (MSD) R4116129-4 09/05/24 07:29

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.0776	ND	0.0452	0.0541	58.2	70.1	1	14.0-127			17.9	27
Anthracene	0.0776	ND	0.0487	0.0592	62.8	76.7	1	10.0-145			19.5	30
Benzo(a)anthracene	0.0776	ND	0.0507	0.0598	65.3	77.5	1	10.0-139			16.5	30
Benzo(b)fluoranthene	0.0776	ND	0.0520	0.0610	67.0	79.0	1	10.0-140			15.9	36
Benzo(k)fluoranthene	0.0776	ND	0.0516	0.0620	66.5	80.3	1	10.0-137			18.3	31
Benzo(a)pyrene	0.0776	ND	0.0508	0.0608	65.5	78.8	1	10.0-141			17.9	31
Chrysene	0.0776	ND	0.0545	0.0663	70.2	85.9	1	10.0-145			19.5	30
Dibenz(a,h)anthracene	0.0776	ND	0.0571	0.0691	73.6	89.5	1	10.0-132			19.0	31
Fluoranthene	0.0776	ND	0.0512	0.0615	66.0	79.7	1	10.0-153			18.3	33
Fluorene	0.0776	ND	0.0509	0.0612	65.6	79.3	1	11.0-130			18.4	29
Indeno(1,2,3-cd)pyrene	0.0776	ND	0.0523	0.0631	67.4	81.7	1	10.0-137			18.7	32
1-Methylnaphthalene	0.0776	ND	0.0474	0.0580	61.1	75.1	1	10.0-142			20.1	28
2-Methylnaphthalene	0.0776	ND	0.0456	0.0561	58.8	72.7	1	10.0-137			20.6	28
Naphthalene	0.0776	ND	0.0443	0.0548	57.1	71.0	1	10.0-135			21.2	27
Pyrene	0.0776	ND	0.0506	0.0599	65.2	77.6	1	10.0-148			16.8	35
(S) p-Terphenyl-d14					54.5	67.8		23.0-120				
(S) Nitrobenzene-d5					46.8	42.4		14.0-149				
(S) 2-Fluorobiphenyl					49.1	52.4		34.0-125				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

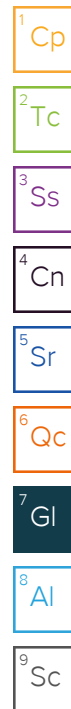
Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier Description

J	The identification of the analyte is acceptable; the reported value is an estimate.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.



ACCREDITATIONS & LOCATIONS

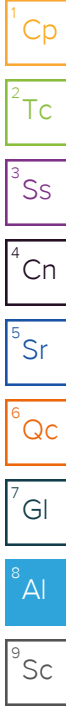
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1,6}	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1,4}	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.



Company Name/Address:
Civitas/Tasman - CO
 6855 W. 118th Ave
 Broomfield, CO 80020

Billing Information:
Accounts Payable
 650 Southgate Dr.
 Windsor, CO 80550

Pres
 Chk

Project Manager:
Sam Vogt / Jacob Evans

Email: **svogt@tasman-geo.com;**
jevans@civitasresources.com

Project Name: **State Seventy Holes P-4**

Please Circle:
 PT MT CT ET

Phone: **610-405-9078**

Lab Project #:

AFE# or C/C:
CO045027

Collected by (print):
Angela Kinio

Site/Facility ID #:

Billing Code #:
8520.102

Collected by (signature):
Angela Kinio

Rush? (Lab MUST Be Notified)
 Same Day Five Day
 Next Day 5 Day (Rad Only)
 Two Day 10 Day (Rad Only)
 Three Day

Quote #

Date Results Needed
STD TAT

Immediately Packed on Ice N Y X

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	# of Containers
DL-B01@16'	Grab	SS	16'	8/26/24	1100	1
DL-B02@16'					1102	
DL-B03@16'					1104	
DL-B04@16'					1106	
DL-B05@16'					1108	
DL-B06@16'					1110	
DL-B07@16'					1112	
DL-B08@16'					1114	
DL-B09@16'					1116	
DL-B10@16'					1118	

Analysis / Container / Preservative						
Full TABLE915 8ozClr-NoPres	Background TABLE915 8ozClr-NoPres	V8260 (GW TABLE915) 40mL Amb-HCl	Chloride, Sulfate 125mL HDPE-NoPres	TDS 1L-HDPE-NoPres	TPH, TMB, PAH, BTEXN	

Chain of Custody Page **1** of **4**



MT JULIET, TN
 12065 Lebanon Rd Mount Juliet, TN 37122 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: <https://info.pacelabs.com/hubs/ps-standard-terms.pdf>

SDG # **677277**
A100

Accnum: **CIVTASCO**
 Template: **T250702**
 Prelogin: **P1068185**
 PM: **824 - Chris Ward**
 PB:

Shipped Via: **FedEX Ground**

Remarks	Sample # (lab only)
	-01
	-02
	-03
	-04
	-05
	-06
	-07
	-08
	-09
	-10

* Matrix:
 SS - Soil AIR - Air F - Filter
 GW - Groundwater B - Bioassay
 WW - WasteWater
 DW - Drinking Water
 OT - Other

Remarks:
 pH, EC, SAR by saturated paste preparation method
 Boron by hot water soluble preparation method
 Table 915-1 Metals - As, Ba, Cd, Cu, Pb, Ni, Se, Ag, Zn, Cr VI

pH _____ Temp _____
 Flow _____ Other _____

Sample Receipt Checklist
 COC Seal Present/Intact: Y N
 COC Signed/Accurate: Y N
 Bottles arrive intact: Y N
 Correct bottles used: Y N
 Sufficient volume sent: Y N
 If Applicable
 VOA Zero Headspace: Y N
 Preservation Correct/Checked: Y N
 RAD Screen <0.5 mR/hr: Y N

Relinquished by: (Signature)
Angela Kinio

Date: **8/26/24**

Time: **1700**

Received by: (Signature)
[Signature]

Trip Blank Received: Yes No
 HCL/MeOH
 TBR

Relinquished by: (Signature)
[Signature]

Date: **8/27/24**

Time: **1800**

Received by: (Signature)
[Signature]

Temp: _____ °C Bottles Received: **33**

Relinquished by: (Signature)

Date:

Time:

Received for lab by: (Signature)
[Signature]

Temp: **8/28/24** Time: **900**

Hold: _____ Condition: **OK**

Company Name/Address:
Civitas/Tasman - CO
 6855 W. 118th Ave
 Broomfield, CO 80020

Billing Information:
 Accounts Payable
 650 Southgate Dr.
 Windsor, CO 80550

Project Manager:
Sam Vogt / Jacob Evans

Project Name:
State Seventy Holes P-4

Phone: **610-405-9078**

Collected by (print):
Angela Kinylo

Collected by (signature):
Angela Kinylo

Immediately Packed on Ice N Y

Lab Project #: _____ AFE# or C/C: **CO045027**

Site/Facility ID #: _____ Billing Code #: **8520.162**

Quote #: _____

Rush? (Lab MUST Be Notified)
 Same Day Five Day
 Next Day 5 Day (Rad Only)
 Two Day 10 Day (Rad Only)
 Three Day

Date Results Needed
STD TAT

Please Circle:
 PT M CT ET

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	# of Containers
DL-B11016'	Grab	SS	16'	8/26/24	1120	1
DL-B12016'			↓		1122	
DL-N0108'			8'		1124	
DL-N0208'					1126	
DL-N0308'					1128	
DL-N0408'					1130	
DL-N0508'					1132	
DL-N0608'					1134	
DL-N0708'					1136	
DL-S0208'					1138	

Analysis / Container / Preservative						
Full TABLE915 8ozClr-NoPres	Background TABLE915 8ozClr-NoPres	V8260 (GW TABLE915) 40ml Amb-HCl	Chloride, Sulfate 125ml HDPE-NoPres	TDS 1L-HDPE-NoPres	TPH, TMB, PAH, BTEXN	

Chain of Custody Page **2** of **4**

Pace
 PEOPLE ADVANCING SCIENCE

MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: <https://info.pacelabs.com/hubs/pas-standard-terms.pdf>

SDG # **L172177**

Table # _____

Acctnum: **CIVTASBCO**

Template: **T250702**

Prelogin: **P1068185**

PM: **824 - Chris Ward**

PB: _____

Shipped Via: **FedEx Ground**

Remarks	Sample # (lab only)
	-11
	-12
	-13
	-14
	-15
	-16
	-17
	-18
	-19
	-20

- * Matrix:
- SS - Soil AIR - Air F - Filter
 - GW - Groundwater B - Bioassay
 - WW - Waste Water
 - DW - Drinking Water
 - OT - Other

Remarks:
 pH, EC, SAR by saturated paste preparation method
 Boron by hot water soluble preparation method
 Table 915-1 Metals - As, Ba, Cd, Cu, Pb, Ni, Se, Ag, Zn, Cr VI

Samples returned via:
 UPS FedEx Courier _____

Tracking # _____

pH _____ Temp _____
 Flow _____ Other _____

Sample Receipt Checklist

COC Seal Present/Intact: Y N

COC Signed/Accurate: Y N

Bottles arrive intact: Y N

Correct bottles used: Y N

Sufficient volume sent: Y N

If Applicable

VOA Zero Headpace: Y N

Preservation Correct/Checked: Y N

RAD Screen <0.5 mR/hr: Y N

Relinquished by: (Signature) <i>Angela Kinylo</i>	Date: 8/26/24	Time: 1700	Received by: (Signature) <i>[Signature]</i>	Trip Blank Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Relinquished by: (Signature) <i>[Signature]</i>	Date: 8/27/24	Time: 1800	Received by: (Signature) <i>FedEx</i>	HCL / MeoH TBR
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Temp: °C Bottles Received: 33
				If preservation required by Login: Date/Time
				Hold: _____ Condition: NCF / OK

Company Name/Address:
Civitas/Tasman - CO
 6855 W. 118th Ave
 Broomfield, CO 80020

Billing Information:
Accounts Payable
 650 Southgate Dr.
 Windsor, CO 80550

Pres
 Chk

Analysis / Container / Preservative

Chain of Custody Page **3** of **4**



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Project Manager:
Sam Vogt / Jacob Evans

Email: **svogt@tasman-geo.com;**
jevans@civitasresources.com

Project Name: **State Seventy Holes P-4**

Please Circle:
 PT (M) CT ET

Phone: **610-405-9078**

Lab Project #:

AFE# or C/C:

CO045027

Collected by (print):

Angela Kinylo

Site/Facility ID #:

Billing Code #:

8520.162

Collected by (signature):

Angela Kinylo

Rush? (Lab MUST Be Notified)

Same Day Five Day
 Next Day 5 Day (Rad Only)
 Two Day 10 Day (Rad Only)
 Three Day

Quote #

Date Results Needed
STD TAT

Immediately Packed on Ice N Y X

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	# of Containers	Analysis / Container / Preservative							Remarks	Sample # (lab only)		
							Full TABLE915 8ozClr-NoPres	Background TABLE915 8ozClr-NoPres	V8260 (GW TABLE915) 40mL Amb-HCl	Chloride, Sulfate 125mL HDPE-NoPres	TDS 1L-HDPE-NoPres	TPH, TMB, PAH, BTEXN					
DL-S0308'	Grab	SS	8'	8/26/24	1140	1											
DL-S0408'					1142												-21
DL-S0508'					1144												-22
DL-S0608'					1146												-23
DL-S0708'					1148												-24
DL-E0108'					1150												-25
DL-E0208'					1152												-26
DL-E0308'					1154												-27
DL-E0408'					1156												-28
DL-E0508'					1158												-29
																	-30

* Matrix:
 SS - Soil AIR - Air F - Filter
 GW - Groundwater B - Bioassay
 WW - Waste Water
 DW - Drinking Water
 OT - Other

Remarks:

pH, EC, SAR by saturated paste preparation method
 Boron by hot water soluble preparation method
 Table 915-1 Metals - As, Ba, Cd, Cu, Pb, Ni, Se, Ag, Zn, Cr VI

Samples returned via:

UPS FedEx Courier

Tracking #

pH Temp
 Flow Other

Sample Receipt Checklist:

COC Seal Present/Intact: Y N
 COC Signed/Accurate: Y N
 Bottles arrive intact: Y N
 Correct bottles used: Y N
 Sufficient volume sent: Y N
 If Applicable
 VOA Zero HeadSpace: Y N
 Preservation Correct/Checked: Y N
 RAD Screen <0.5 mR/hr: Y N

Relinquished by: (Signature)

Angela Kinylo

Date:

8/26/24

Time:

1700

Received by: (Signature)

[Signature]

Trip Blank Received: Yes (No)

HCL / MeOH
 TBR

Relinquished by: (Signature)

[Signature]

Date:

8/27/24

Time:

1400

Received by: (Signature)

[Signature]

Temp: °C Bottles Received: **33**

If preservation required by Login: Date/Time

Relinquished by: (Signature)

[Signature]

Date:

8/28/24

Time:

900

Received for lab by: (Signature)

[Signature]

Date: 8/28/24 Time: 900

Hold:

Condition:

NCF / (OK)

