

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_D\Data\FD100523AR\  
 Data File : FD046654.D  
 Signal(s) : FID2B.ch  
 Acq On : 05 Oct 2023 10:48  
 Operator : YP/AJ  
 Sample : 04699-01  
 Misc : 2.5PPM SOIL LOD  
 ALS Vial : 58 Sample Multiplier: 1

Instrument :  
 FID\_D  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT4-2023

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 10/06/2023  
 Supervised By :Ankita Jodhani 10/06/2023

Integration File: autoint1.e  
 Quant Time: Oct 05 23:52:03 2023  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_D\methods\Aromatic EPH 091523.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Sep 15 01:47:22 2023  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal Phase : Rxi-1ms  
 Signal Info : 20M x 0.18mm x 0.18µm

| Compound                           | R.T.   | Response   | Conc Units   |
|------------------------------------|--------|------------|--------------|
| -----                              |        |            |              |
| System Monitoring Compounds        |        |            |              |
| 4) S 2-Bromonaphthalene (S...      | 7.490  | 7324400    | 41.563 ug/ml |
| Spiked Amount 50.000               |        | Recovery = | 83.13%       |
| 6) S 2-Fluorobiphenyl (SURR)       | 8.343  | 4922097    | 42.483 ug/ml |
| Spiked Amount 50.000 Range 0 - 130 |        | Recovery = | 84.97%       |
| 11) S ortho-Terphenyl (SURR)       | 11.382 | 8003500    | 39.285 ug/ml |
| Spiked Amount 50.000               |        | Recovery = | 78.57%       |
| Target Compounds                   |        |            |              |
| 1) T 1,2,3-Trimethylbenzen...      | 4.304  | 373318     | 2.021 ug/ml  |
| 2) T Naphthalene (C11.7)           | 5.829  | 423543     | 2.192 ug/ml  |
| 3) T 2-Methylnaphthalene (...)     | 6.876  | 432962     | 2.234 ug/ml  |
| 5) T Acenaphthylene (C15.06)       | 8.144  | 436897     | 2.478 ug/ml  |
| 7) T Acenaphthene (C15.5)          | 8.439  | 442399     | 2.355 ug/ml  |
| 8) T Fluorene (C16.55)             | 9.217  | 435684     | 2.415 ug/ml  |
| 9) T Phenanthrene (C19.36)         | 10.605 | 412833     | 2.348 ug/mlm |
| 10) T Anthracene (C19.43)          | 10.679 | 393497     | 2.562 ug/ml  |
| 12) T Fluoranthene (C21.85)        | 12.407 | 424102     | 2.488 ug/ml  |
| 13) T Pyrene (C20.8)               | 12.700 | 422321     | 2.574 ug/mlm |
| 14) T Benzo[a]anthracene (C...     | 14.564 | 346529     | 2.482 ug/ml  |
| 15) T Chrysene (C27.41)            | 14.605 | 389434     | 2.565 ug/ml  |
| 16) T benzo[b]fluoranthene ...     | 16.101 | 345268     | 2.517 ug/mlm |
| 17) T Bnezo[k]fluoranthene ...     | 16.133 | 357719     | 2.582 ug/ml  |
| 18) T Benzo[a]pyrene (C31.34)      | 16.480 | 321249     | 2.401 ug/ml  |
| 19) T Indeno[1,2,3-cd]pyren...     | 17.836 | 288622     | 2.303 ug/ml  |
| 20) T Dibenz[a,h]anthracene...     | 17.880 | 339190     | 2.549 ug/ml  |
| 21) T Benzo[g,h,i]perylene ...     | 18.083 | 327899     | 2.486 ug/mlm |
| -----                              |        |            |              |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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