



Certificate of Analysis
Work Order : VC182079
[Report File No.: 0000030221]

Date: July 19, 2018

To: Jack Milton
FIREWEED ZINC LTD
#1020-800 WEST PENDER ST
VANCOUVER BC V6C 2V6

P.O. No.: FWZ18-SGS-001 / 307 samples
Project No.: -
Samples: 86
Received: Jun 27, 2018
Pages: Page 1 to 22
(Inclusive of Cover Sheet)


Methods Summary

| <u>No. Of Samples</u> | <u>Method Code</u> | <u>Description</u> |
|-----------------------|--------------------|--|
| 84 | G_LOG02 | Pre-preparation processing, sorting, logging, boxing |
| 84 | GE_MMI_M | Mobile Metal ION standard package/ICP-MS |
| 84 | GE_ISE15V | pH (soils/sediments) |

Storage: Pulp & Reject

REJECT STORAGE : PAID STORE AFTER 90 DAYS

Certified By :


John Chiang
QC Chemist

SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at <http://www.scc.ca/en/search/palcan/sgs>

Report Footer:

L.N.R. = Listed not received
n.a. = Not applicable

I.S. = Insufficient Sample
-- = No result

*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

Methods marked with an asterisk (e.g. *NAA08V) were subcontracted

Elements marked with the @ symbol (e.g. @Cu) denote assays performed using accredited test methods

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| Element Method Det.Lim. Units | Ag GE_MMI_M 0.5 ppb | Al GE_MMI_M 1 ppm | As GE_MMI_M 10 ppb | Au GE_MMI_M 0.1 ppb | Ba GE_MMI_M 10 ppb | Bi GE_MMI_M 0.5 ppb | Ca GE_MMI_M 2 ppm | Cd GE_MMI_M 1 ppb |
|--|------------------------------|----------------------------|-----------------------------|------------------------------|-----------------------------|------------------------------|----------------------------|----------------------------|
| C00049501 | 32.8 | 95 | 990 | 0.1 | 1500 | 2.7 | 3 | 2 |
| C00049502 | 29.2 | 81 | 650 | 0.2 | 980 | 2.7 | <2 | 3 |
| C00049503 | 90.7 | 211 | 320 | 0.4 | 1750 | 2.6 | 2 | 5 |
| C00049504 | 144 | 220 | 630 | 0.2 | 1340 | 1.1 | <2 | 5 |
| C00049505 | 49.0 | 144 | 220 | 0.1 | 2160 | 3.3 | 4 | 18 |
| C00049506 | 36.2 | 154 | 1270 | 1.0 | 5780 | 5.5 | 3 | 23 |
| C00049507 | 53.2 | 187 | 790 | 0.8 | 3600 | 5.1 | 3 | 12 |
| C00049508 | 67.5 | 265 | 700 | 1.0 | 4660 | 4.2 | 3 | 13 |
| C00049509 | 42.4 | 298 | 330 | 0.4 | 3490 | 3.0 | <2 | 10 |
| C00049510 | 116 | 285 | 130 | 0.4 | 2440 | 0.8 | <2 | 13 |
| C00049511 | 92.0 | 324 | 320 | 0.9 | 4080 | 1.9 | 3 | 21 |
| C00049512 | 77.3 | 175 | 430 | 0.5 | 2110 | 2.8 | 5 | 9 |
| C00049513 | 105 | 266 | 240 | 0.4 | 1830 | 1.7 | <2 | 4 |
| C00049514 | 111 | 251 | 640 | 1.4 | 3340 | 3.0 | 3 | 7 |
| C00049515 | 61.2 | 106 | 620 | 0.3 | 1660 | 2.4 | 3 | 14 |
| C00049516 | 58.4 | 190 | 500 | 0.8 | 2820 | 2.7 | 4 | 11 |
| C00049517 | 74.2 | 224 | 570 | 0.7 | 4000 | 2.5 | 5 | 14 |
| C00049518 | 22.8 | 159 | 210 | 0.2 | 2300 | 1.7 | 4 | 11 |
| C00049519 | 129 | 170 | 330 | 0.4 | 1120 | 2.2 | <2 | 15 |
| C00049520 | 50.2 | 162 | 110 | 0.2 | 1360 | 2.0 | 2 | 8 |
| C00049521 | 46.9 | 218 | 1250 | 0.5 | 3410 | 4.3 | 3 | 7 |
| C00049522 | 74.3 | 215 | 310 | 0.3 | 1630 | 2.2 | 6 | 11 |
| C00049523 | 65.2 | 162 | 950 | 0.7 | 4990 | 3.8 | 9 | 41 |
| C00049524 | 54.7 | 274 | 1390 | 0.6 | 10000 | 4.8 | 6 | 102 |
| C00049525 | 11.5 | 157 | 700 | 0.5 | 2820 | 3.0 | 3 | 8 |
| C00049526 | 7.3 | 187 | 420 | 0.2 | 8380 | 2.5 | 13 | 75 |
| C00049527 | 76.8 | 180 | 1220 | 1.0 | 7970 | 4.8 | 3 | 31 |
| C00049528 | 22.5 | 208 | 720 | 0.5 | 5570 | 3.7 | 16 | 27 |
| C00049529 | 40.6 | 59 | 730 | 0.6 | 6030 | 2.6 | 33 | 46 |
| C00049530 | 40.7 | 68 | 590 | 0.5 | 6190 | 1.9 | 25 | 49 |
| C00049531 | 33.1 | 165 | 590 | 0.7 | 12400 | 3.6 | 18 | 87 |
| C00049532 | 30.4 | 187 | 900 | 0.5 | 7630 | 4.9 | 23 | 49 |
| C00049533 | 67.3 | 179 | 1050 | 0.7 | 4220 | 4.1 | 6 | 17 |
| C00049534 | 114 | 99 | 1130 | 1.2 | 10600 | 3.6 | 20 | 83 |
| C00049535 | 47.3 | 195 | 890 | 0.9 | 6550 | 4.9 | 15 | 32 |
| C00049536 | 26.2 | 204 | 1000 | 0.7 | 4960 | 5.0 | 21 | 42 |
| C00049537 | 1.9 | 127 | 440 | 0.1 | 4060 | 3.9 | 59 | 102 |
| C00049538 | 54.9 | 182 | 960 | 0.7 | 5790 | 3.8 | 17 | 44 |
| C00049539 | 69.1 | 215 | 1210 | 0.8 | 4850 | 5.4 | 11 | 12 |
| C00049540 | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. |

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|--|------------------------------|----------------------------|-----------------------------|------------------------------|-----------------------------|------------------------------|----------------------------|----------------------------|
| C00049541 | 6.0 | 151 | 130 | <0.1 | 3460 | 3.4 | 14 | 109 |
| C00049542 | 3.6 | 129 | 120 | <0.1 | 4250 | 1.8 | 15 | 40 |
| C00049543 | 19.1 | 202 | 1200 | 0.9 | 6300 | 9.0 | 10 | 14 |
| C00049544 | 1.9 | 111 | 300 | 0.8 | 4470 | 2.3 | 8 | 10 |
| C00049545 | <0.5 | 9 | 200 | 0.1 | 1890 | <0.5 | 154 | 64 |
| C00049546 | 2.9 | 60 | 360 | 0.3 | 3320 | 1.4 | 58 | 30 |
| C00049547 | 0.6 | 48 | 270 | 0.5 | 7740 | 0.6 | 170 | 138 |
| C00049548 | <0.5 | 1 | <10 | <0.1 | 670 | <0.5 | 254 | 8 |
| C00049549 | <0.5 | 2 | <10 | <0.1 | 100 | <0.5 | 13 | 15 |
| C00049550 | 1.7 | 13 | 90 | <0.1 | 1690 | <0.5 | 299 | 30 |
| C00049551 | 8.8 | 54 | 190 | 0.3 | 7380 | 1.2 | 204 | 60 |
| C00049552 | 104 | 147 | 670 | 1.6 | 22400 | 2.4 | 67 | 154 |
| C00049553 | 82.8 | 225 | 620 | 0.6 | 13300 | 3.2 | 2 | 8 |
| C00049554 | 64.8 | 255 | 70 | 0.2 | 6300 | 1.3 | <2 | 4 |
| C00049555 | 26.6 | 111 | 20 | <0.1 | 8440 | 1.0 | 12 | 18 |
| C00049556 | 31.4 | 99 | 70 | 0.2 | 9660 | 0.9 | <2 | 7 |
| C00049557 | 55.1 | 230 | 380 | 0.3 | 12100 | 2.3 | 3 | 7 |
| C00049558 | 64.9 | 207 | 250 | 0.3 | 3160 | 1.7 | <2 | 5 |
| C00049559 | 164 | 234 | 370 | 0.3 | 4750 | 3.0 | 2 | 4 |
| C00049560 | 764 | 208 | 310 | <0.1 | 2930 | 3.0 | 5 | 2 |
| C00049561 | 299 | 255 | 400 | 0.2 | 5910 | 3.9 | 5 | 7 |
| C00049562 | 125 | 305 | 270 | 0.2 | 11300 | 2.5 | 10 | 5 |
| C00049563 | 81.3 | 157 | 300 | 0.1 | 4330 | 2.5 | <2 | 11 |
| C00049564 | 93.0 | 210 | 280 | 0.2 | 8330 | 2.8 | <2 | 10 |
| C00049565 | 35.4 | 81 | 220 | <0.1 | 890 | 2.4 | <2 | 3 |
| C00049566 | 52.1 | 267 | 40 | <0.1 | 1050 | 1.1 | <2 | 7 |
| C00049567 | 36.6 | 117 | 40 | 0.3 | 1130 | <0.5 | 16 | 5 |
| C00049568 | 16.7 | 113 | 290 | <0.1 | 1030 | 3.1 | 5 | 3 |
| C00049569 | 8.8 | 116 | 300 | <0.1 | 1220 | 3.4 | 3 | 5 |
| C00049570 | 22.9 | 179 | 90 | <0.1 | 2020 | 1.8 | 3 | 5 |
| C00049571 | 52.9 | 236 | 350 | 0.5 | 3840 | 4.2 | <2 | 5 |
| C00049572 | 21.4 | 124 | 210 | 0.1 | 1240 | 1.8 | <2 | 1 |
| C00049573 | 19.6 | 216 | 160 | 0.3 | 2520 | 3.1 | <2 | 4 |
| C00049574 | 34.0 | 90 | 250 | <0.1 | 2600 | 3.1 | 16 | 5 |
| C00049575 | 25.6 | 157 | 20 | <0.1 | 12400 | 0.7 | 9 | 3 |
| C00049576 | 6.8 | 110 | 80 | 0.4 | 21900 | 1.0 | 13 | 17 |
| C00049577 | 24.1 | 125 | 500 | 0.4 | 8740 | 3.4 | <2 | 5 |
| C00049578 | 14.2 | 174 | 200 | 0.7 | 5550 | 1.6 | <2 | 3 |
| C00049579 | 52.3 | 175 | 270 | 0.7 | 15700 | 2.5 | <2 | 14 |
| C00049580 | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. |

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|--|------------------------------|----------------------------|-----------------------------|------------------------------|-----------------------------|------------------------------|----------------------------|----------------------------|
| C00049581 | 2.4 | 98 | 130 | 0.3 | 14500 | 1.7 | 2 | 9 |
| C00049582 | 21.7 | 76 | 120 | 0.5 | 5500 | 1.3 | <2 | 6 |
| C00049583 | 44.3 | 275 | 310 | 0.1 | 2870 | 2.6 | <2 | 4 |
| C00049584 | 98.3 | 139 | 1020 | 0.3 | 10200 | 4.6 | <2 | 171 |
| C00049585 | 4.1 | 47 | 360 | 0.4 | 2520 | 1.8 | 75 | 75 |
| C00049586 | 4.4 | 104 | 20 | <0.1 | 7040 | 2.2 | 23 | 177 |
| *Rep C00049515 | 55.2 | 86 | 540 | 0.3 | 1300 | 2.0 | 2 | 10 |
| *Rep C00049529 | 40.5 | 57 | 690 | 0.4 | 6100 | 2.4 | 37 | 54 |
| *Rep C00049553 | 77.8 | 214 | 610 | 0.7 | 13100 | 3.0 | <2 | 8 |
| *Rep C00049569 | 9.0 | 131 | 320 | <0.1 | 1410 | 3.3 | 3 | 5 |
| *Rep C00049575 | 23.9 | 163 | 20 | <0.1 | 14100 | 0.9 | 10 | 5 |
| *Std MMISRM24 | 17.3 | 31 | <10 | 3.3 | 140 | <0.5 | 53 | 5 |
| *Std MMISRM19 | 24.9 | 24 | <10 | 5.6 | 640 | <0.5 | 634 | 39 |
| *Blk BLANK | <0.5 | <1 | <10 | <0.1 | <10 | <0.5 | <2 | <1 |
| *Blk BLANK | <0.5 | <1 | <10 | <0.1 | <10 | 0.5 | <2 | <1 |

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| Element Method Det.Lim. Units | Ce GE_MMI_M 2 ppb | Co GE_MMI_M 1 ppb | Cr GE_MMI_M 100 ppb | Cs GE_MMI_M 0.2 ppb | Cu GE_MMI_M 10 ppb | Dy GE_MMI_M 0.5 ppb | Er GE_MMI_M 0.2 ppb | Eu GE_MMI_M 0.2 ppb |
|--|----------------------------|----------------------------|------------------------------|------------------------------|-----------------------------|------------------------------|------------------------------|------------------------------|
| C00049501 | 58 | 9 | 100 | 29.3 | 360 | 7.9 | 2.9 | 3.4 |
| C00049502 | 28 | 8 | <100 | 16.1 | 260 | 4.1 | 1.8 | 1.5 |
| C00049503 | 103 | 12 | 100 | 27.1 | 480 | 10.0 | 4.5 | 3.6 |
| C00049504 | 173 | 15 | 300 | 36.2 | 450 | 13.1 | 5.5 | 5.4 |
| C00049505 | 104 | 24 | 200 | 14.2 | 600 | 8.9 | 4.5 | 3.0 |
| C00049506 | 357 | 166 | 200 | 32.7 | 2520 | 114 | 41.8 | 31.0 |
| C00049507 | 166 | 115 | 300 | 24.2 | 2440 | 44.3 | 18.2 | 12.9 |
| C00049508 | 192 | 147 | 200 | 26.0 | 2650 | 48.1 | 17.7 | 13.2 |
| C00049509 | 184 | 111 | 200 | 11.0 | 1500 | 20.4 | 9.3 | 6.8 |
| C00049510 | 196 | 97 | <100 | 10.2 | 1640 | 43.8 | 17.7 | 13.0 |
| C00049511 | 228 | 191 | 100 | 13.7 | 1610 | 42.0 | 15.8 | 12.5 |
| C00049512 | 115 | 89 | 200 | 8.2 | 860 | 20.7 | 6.8 | 6.2 |
| C00049513 | 80 | 26 | 200 | 5.2 | 640 | 8.6 | 3.7 | 2.9 |
| C00049514 | 158 | 192 | 200 | 16.3 | 1350 | 24.8 | 9.6 | 7.1 |
| C00049515 | 71 | 324 | 200 | 4.4 | 1030 | 11.7 | 4.2 | 3.2 |
| C00049516 | 79 | 118 | 200 | 8.9 | 2230 | 17.8 | 6.7 | 5.2 |
| C00049517 | 134 | 234 | 200 | 9.3 | 1080 | 34.0 | 12.7 | 10.3 |
| C00049518 | 36 | 130 | <100 | 4.4 | 1330 | 9.0 | 4.1 | 2.2 |
| C00049519 | 50 | 55 | 300 | 5.1 | 390 | 13.1 | 4.3 | 3.9 |
| C00049520 | 59 | 20 | 200 | 4.9 | 350 | 14.6 | 5.3 | 3.6 |
| C00049521 | 146 | 141 | 200 | 13.9 | 1220 | 20.0 | 7.5 | 6.6 |
| C00049522 | 149 | 30 | 100 | 10.3 | 1010 | 19.7 | 7.1 | 6.4 |
| C00049523 | 129 | 339 | 200 | 13.6 | 3790 | 49.0 | 20.1 | 13.2 |
| C00049524 | 148 | 642 | 300 | 19.0 | 1740 | 28.4 | 11.1 | 8.1 |
| C00049525 | 138 | 208 | 200 | 6.6 | 1260 | 30.5 | 9.9 | 8.9 |
| C00049526 | 64 | 281 | 200 | 15.1 | 1990 | 22.9 | 11.2 | 6.0 |
| C00049527 | 287 | 654 | 200 | 9.7 | 3170 | 67.5 | 26.5 | 18.9 |
| C00049528 | 129 | 294 | 200 | 11.5 | 1790 | 28.4 | 10.2 | 8.0 |
| C00049529 | 165 | 916 | <100 | 5.9 | 3700 | 64.8 | 30.6 | 17.4 |
| C00049530 | 146 | 338 | <100 | 5.3 | 1800 | 60.9 | 27.4 | 16.4 |
| C00049531 | 215 | 401 | 200 | 4.7 | 2010 | 51.9 | 21.0 | 15.2 |
| C00049532 | 187 | 265 | 200 | 10.9 | 1210 | 44.7 | 19.3 | 12.5 |
| C00049533 | 219 | 161 | 200 | 10.7 | 1630 | 45.6 | 17.0 | 13.7 |
| C00049534 | 321 | 454 | 100 | 9.9 | 2370 | 130 | 61.5 | 38.5 |
| C00049535 | 130 | 246 | 200 | 9.2 | 1600 | 24.3 | 9.8 | 7.4 |
| C00049536 | 125 | 277 | 200 | 12.2 | 1770 | 22.1 | 9.0 | 6.6 |
| C00049537 | 52 | 99 | 100 | 10.5 | 460 | 6.0 | 3.1 | 2.1 |
| C00049538 | 200 | 186 | 200 | 8.2 | 1570 | 41.3 | 16.3 | 13.1 |
| C00049539 | 219 | 166 | 200 | 10.0 | 1550 | 40.1 | 15.2 | 13.1 |
| C00049540 | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. |

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|--|----------------------------|----------------------------|------------------------------|------------------------------|-----------------------------|------------------------------|------------------------------|------------------------------|
| C00049541 | 71 | 42 | 100 | 7.7 | 200 | 7.3 | 3.8 | 2.5 |
| C00049542 | 28 | 60 | <100 | 3.1 | 160 | 5.2 | 2.9 | 1.7 |
| C00049543 | 168 | 146 | 200 | 16.4 | 1940 | 30.6 | 12.1 | 10.0 |
| C00049544 | 39 | 99 | <100 | 8.3 | 1860 | 6.9 | 4.5 | 2.3 |
| C00049545 | <2 | 329 | <100 | 0.5 | 270 | <0.5 | 0.5 | 0.3 |
| C00049546 | 24 | 376 | <100 | 4.2 | 720 | 5.8 | 3.3 | 2.0 |
| C00049547 | 9 | 191 | <100 | 4.6 | 790 | 2.0 | 1.1 | 1.4 |
| C00049548 | <2 | 13 | <100 | 0.9 | 70 | <0.5 | <0.2 | <0.2 |
| C00049549 | <2 | 3 | <100 | 0.4 | <10 | <0.5 | <0.2 | <0.2 |
| C00049550 | 8 | 172 | <100 | 0.9 | 130 | 1.6 | 1.4 | 0.7 |
| C00049551 | 43 | 318 | <100 | 4.6 | 2380 | 10.4 | 5.4 | 4.1 |
| C00049552 | 92 | 316 | 200 | 12.5 | 5270 | 18.3 | 8.2 | 8.5 |
| C00049553 | 113 | 114 | 200 | 14.6 | 990 | 11.0 | 5.2 | 5.9 |
| C00049554 | 92 | 21 | <100 | 4.5 | 500 | 7.8 | 3.6 | 3.3 |
| C00049555 | 40 | 20 | <100 | 4.1 | 350 | 3.4 | 2.0 | 2.4 |
| C00049556 | 48 | 5 | <100 | 19.4 | 290 | 5.0 | 2.7 | 2.5 |
| C00049557 | 84 | 43 | 100 | 12.5 | 700 | 9.3 | 4.2 | 5.0 |
| C00049558 | 105 | 28 | 200 | 21.7 | 920 | 12.3 | 4.9 | 5.1 |
| C00049559 | 115 | 29 | 300 | 18.8 | 1120 | 12.9 | 5.6 | 5.5 |
| C00049560 | 105 | 11 | 200 | 10.5 | 530 | 10.7 | 4.9 | 3.9 |
| C00049561 | 177 | 19 | 200 | 16.9 | 720 | 11.4 | 5.7 | 5.9 |
| C00049562 | 160 | 23 | 300 | 21.3 | 990 | 13.3 | 5.5 | 6.3 |
| C00049563 | 84 | 8 | <100 | 12.0 | 600 | 6.8 | 3.7 | 3.1 |
| C00049564 | 137 | 10 | <100 | 10.6 | 1210 | 10.3 | 5.3 | 4.9 |
| C00049565 | 41 | 13 | <100 | 19.1 | 620 | 6.7 | 3.6 | 2.4 |
| C00049566 | 150 | 16 | <100 | 14.5 | 500 | 8.5 | 4.9 | 2.9 |
| C00049567 | 71 | 6 | <100 | 10.9 | 250 | 5.3 | 2.9 | 1.6 |
| C00049568 | 71 | 10 | <100 | 19.1 | 330 | 6.0 | 2.9 | 2.5 |
| C00049569 | 89 | 36 | <100 | 13.8 | 560 | 7.7 | 4.3 | 3.4 |
| C00049570 | 119 | 21 | <100 | 10.5 | 740 | 11.9 | 5.9 | 4.3 |
| C00049571 | 86 | 52 | <100 | 12.5 | 3090 | 8.6 | 4.8 | 3.0 |
| C00049572 | 36 | 27 | <100 | 2.9 | 1160 | 3.3 | 1.7 | 1.2 |
| C00049573 | 72 | 21 | <100 | 4.3 | 560 | 7.4 | 3.6 | 2.4 |
| C00049574 | 33 | 13 | <100 | 10.5 | 230 | 3.1 | 2.0 | 1.3 |
| C00049575 | 12 | 20 | <100 | 2.8 | 40 | 1.4 | 0.8 | 2.1 |
| C00049576 | 23 | 58 | <100 | 3.8 | 720 | 2.9 | 1.5 | 3.7 |
| C00049577 | 77 | 45 | 100 | 11.0 | 450 | 8.5 | 4.1 | 3.8 |
| C00049578 | 50 | 111 | <100 | 5.0 | 1020 | 5.9 | 3.0 | 2.4 |
| C00049579 | 61 | 70 | <100 | 5.3 | 2640 | 9.7 | 4.3 | 4.6 |
| C00049580 | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. |

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| Element Method Det.Lim. Units | Ce GE_MMI_M 2 ppb | Co GE_MMI_M 1 ppb | Cr GE_MMI_M 100 ppb | Cs GE_MMI_M 0.2 ppb | Cu GE_MMI_M 10 ppb | Dy GE_MMI_M 0.5 ppb | Er GE_MMI_M 0.2 ppb | Eu GE_MMI_M 0.2 ppb |
|--|----------------------------|----------------------------|------------------------------|------------------------------|-----------------------------|------------------------------|------------------------------|------------------------------|
| C00049581 | 34 | 31 | <100 | 3.0 | 600 | 3.8 | 2.1 | 2.9 |
| C00049582 | 16 | 31 | <100 | 2.6 | 2260 | 1.9 | 1.0 | 1.3 |
| C00049583 | 112 | 57 | 100 | 6.7 | 630 | 8.4 | 4.5 | 3.3 |
| C00049584 | 235 | 1010 | 100 | 12.5 | 6600 | 134 | 74.3 | 41.6 |
| C00049585 | 26 | 475 | <100 | 1.2 | 2530 | 6.6 | 4.2 | 2.1 |
| C00049586 | 139 | 85 | <100 | 2.0 | 130 | 13.7 | 7.0 | 6.6 |
| *Rep C00049515 | 58 | 240 | 100 | 4.1 | 740 | 9.5 | 3.9 | 2.8 |
| *Rep C00049529 | 157 | 916 | <100 | 6.5 | 3050 | 62.3 | 30.0 | 17.1 |
| *Rep C00049553 | 108 | 94 | 200 | 14.6 | 930 | 11.2 | 5.7 | 5.4 |
| *Rep C00049569 | 88 | 36 | 100 | 13.7 | 560 | 8.6 | 4.3 | 3.7 |
| *Rep C00049575 | 12 | 26 | <100 | 3.5 | 40 | 1.6 | 1.0 | 2.4 |
| *Std MMISRM24 | 39 | 15 | <100 | 9.6 | 240 | 3.3 | 1.5 | 1.2 |
| *Std MMISRM19 | <2 | 379 | <100 | 4.4 | 2000 | 5.8 | 4.7 | 0.5 |
| *Blk BLANK | <2 | <1 | <100 | <0.2 | <10 | <0.5 | <0.2 | <0.2 |
| *Blk BLANK | <2 | <1 | <100 | <0.2 | 210 | <0.5 | <0.2 | <0.2 |

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| Element Method Det.Lim. Units | Fe GE_MMI_M 1 ppm | Ga GE_MMI_M 0.5 ppb | Gd GE_MMI_M 0.5 ppb | Hg GE_MMI_M 1 ppb | In GE_MMI_M 0.1 ppb | K GE_MMI_M 0.5 ppm | La GE_MMI_M 1 ppb | Li GE_MMI_M 1 ppb |
|--|----------------------------|------------------------------|------------------------------|----------------------------|------------------------------|-----------------------------|----------------------------|----------------------------|
| C00049501 | 204 | 24.9 | 12.5 | <1 | 0.2 | 8.2 | 27 | 6 |
| C00049502 | 177 | 18.5 | 5.6 | <1 | 0.1 | 8.6 | 14 | 4 |
| C00049503 | 110 | 29.6 | 12.9 | <1 | 0.3 | 9.8 | 56 | 5 |
| C00049504 | 443 | 27.3 | 19.2 | 2 | 0.4 | 7.0 | 80 | 3 |
| C00049505 | 132 | 13.3 | 9.7 | <1 | 0.3 | 13.4 | 54 | 3 |
| C00049506 | 433 | 21.0 | 146 | 6 | 0.5 | 13.0 | 152 | 5 |
| C00049507 | 363 | 21.4 | 58.6 | 3 | 0.6 | 16.1 | 70 | 15 |
| C00049508 | 377 | 24.4 | 60.6 | 3 | 0.6 | 19.0 | 83 | 20 |
| C00049509 | 387 | 22.9 | 27.4 | 2 | 0.4 | 10.1 | 93 | 8 |
| C00049510 | 170 | 25.6 | 59.7 | 1 | 0.2 | 10.2 | 85 | 4 |
| C00049511 | 148 | 27.3 | 52.0 | 3 | 0.4 | 19.2 | 107 | 13 |
| C00049512 | 407 | 17.4 | 27.0 | 3 | 0.7 | 19.8 | 54 | 10 |
| C00049513 | 494 | 17.9 | 10.2 | 2 | 0.5 | 10.6 | 44 | 5 |
| C00049514 | 358 | 24.2 | 31.7 | 2 | 0.6 | 16.9 | 80 | 10 |
| C00049515 | 364 | 12.1 | 14.6 | 2 | 0.4 | 16.0 | 36 | 5 |
| C00049516 | 549 | 17.2 | 22.1 | 3 | 0.5 | 30.4 | 40 | 14 |
| C00049517 | 484 | 22.1 | 46.8 | 2 | 0.6 | 22.3 | 59 | 12 |
| C00049518 | 440 | 15.7 | 9.9 | 1 | 0.3 | 35.0 | 18 | 14 |
| C00049519 | 380 | 29.7 | 18.7 | 3 | 0.9 | 16.6 | 25 | 4 |
| C00049520 | 231 | 13.6 | 17.7 | 1 | 0.8 | 15.0 | 28 | 4 |
| C00049521 | 504 | 22.5 | 28.1 | 2 | 0.7 | 17.4 | 80 | 10 |
| C00049522 | 205 | 16.8 | 26.5 | 1 | 0.5 | 23.7 | 78 | 2 |
| C00049523 | 463 | 20.9 | 61.4 | 2 | 0.5 | 27.4 | 58 | 24 |
| C00049524 | 596 | 32.4 | 33.2 | 3 | 0.9 | 33.3 | 80 | 31 |
| C00049525 | 246 | 18.1 | 39.5 | 2 | 0.3 | 12.9 | 61 | 7 |
| C00049526 | 488 | 24.6 | 26.6 | 2 | 0.3 | 40.3 | 32 | 56 |
| C00049527 | 468 | 19.3 | 84.0 | 3 | 0.6 | 17.7 | 134 | 11 |
| C00049528 | 425 | 28.0 | 35.0 | 2 | 0.5 | 28.9 | 61 | 27 |
| C00049529 | 214 | 7.0 | 79.0 | 3 | 0.2 | 19.6 | 60 | 5 |
| C00049530 | 173 | 6.7 | 78.1 | 2 | 0.2 | 13.1 | 56 | 3 |
| C00049531 | 393 | 14.0 | 64.6 | 2 | 0.5 | 23.0 | 97 | 10 |
| C00049532 | 466 | 22.2 | 53.4 | 2 | 0.5 | 33.1 | 92 | 23 |
| C00049533 | 383 | 18.5 | 58.0 | 3 | 0.5 | 21.0 | 101 | 16 |
| C00049534 | 262 | 10.3 | 178 | 6 | 0.3 | 17.3 | 128 | 4 |
| C00049535 | 630 | 18.6 | 30.0 | 3 | 0.4 | 26.4 | 65 | 19 |
| C00049536 | 579 | 28.6 | 26.5 | 2 | 0.4 | 27.7 | 64 | 20 |
| C00049537 | 345 | 23.0 | 7.3 | 1 | 0.3 | 38.4 | 29 | 24 |
| C00049538 | 323 | 19.6 | 53.8 | 3 | 0.4 | 19.3 | 93 | 11 |
| C00049539 | 406 | 25.1 | 53.0 | 3 | 0.6 | 22.6 | 107 | 15 |
| C00049540 | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. |

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| Element Method Det.Lim. Units | Fe GE_MMI_M 1 ppm | Ga GE_MMI_M 0.5 ppb | Gd GE_MMI_M 0.5 ppb | Hg GE_MMI_M 1 ppb | In GE_MMI_M 0.1 ppb | K GE_MMI_M 0.5 ppm | La GE_MMI_M 1 ppb | Li GE_MMI_M 1 ppb |
|--|----------------------------|------------------------------|------------------------------|----------------------------|------------------------------|-----------------------------|----------------------------|----------------------------|
| C00049541 | 178 | 21.4 | 8.2 | <1 | 0.2 | 33.7 | 46 | 16 |
| C00049542 | 280 | 17.6 | 5.2 | <1 | 0.3 | 45.2 | 14 | 9 |
| C00049543 | 744 | 26.2 | 39.8 | 3 | 0.4 | 37.5 | 86 | 32 |
| C00049544 | 423 | 15.1 | 7.5 | <1 | 0.2 | 43.2 | 22 | 22 |
| C00049545 | 22 | 1.9 | 0.5 | <1 | <0.1 | 41.6 | 1 | 4 |
| C00049546 | 275 | 6.7 | 6.4 | <1 | 0.1 | 25.7 | 11 | 11 |
| C00049547 | 183 | 7.4 | 2.0 | <1 | 0.1 | 63.5 | 6 | 25 |
| C00049548 | 4 | 0.6 | <0.5 | <1 | <0.1 | 49.9 | <1 | 1 |
| C00049549 | 3 | <0.5 | <0.5 | <1 | <0.1 | 2.5 | <1 | <1 |
| C00049550 | 45 | 2.1 | 1.9 | <1 | <0.1 | 44.6 | 4 | 3 |
| C00049551 | 157 | 8.6 | 14.4 | <1 | <0.1 | 33.3 | 22 | 8 |
| C00049552 | 319 | 20.9 | 22.3 | 11 | 0.7 | 28.4 | 47 | 17 |
| C00049553 | 352 | 37.6 | 14.7 | 2 | 0.5 | 23.0 | 59 | 19 |
| C00049554 | 214 | 53.4 | 9.0 | 4 | 0.2 | 10.6 | 49 | 2 |
| C00049555 | 86 | 20.0 | 3.8 | <1 | 0.2 | 34.2 | 18 | 4 |
| C00049556 | 70 | 14.8 | 4.8 | <1 | 0.2 | 10.7 | 24 | 3 |
| C00049557 | 433 | 28.6 | 13.1 | <1 | 0.7 | 13.1 | 41 | 8 |
| C00049558 | 252 | 16.2 | 17.8 | 2 | 0.7 | 8.2 | 51 | 5 |
| C00049559 | 377 | 29.0 | 18.4 | 3 | 0.8 | 17.1 | 58 | 10 |
| C00049560 | 342 | 44.1 | 12.9 | 2 | 0.4 | 12.8 | 51 | 7 |
| C00049561 | 558 | 64.4 | 18.3 | 1 | 0.6 | 22.0 | 85 | 14 |
| C00049562 | 329 | 28.4 | 18.4 | 5 | 1.2 | 20.9 | 81 | 16 |
| C00049563 | 162 | 31.9 | 8.1 | <1 | 0.3 | 14.3 | 41 | 5 |
| C00049564 | 327 | 43.9 | 13.9 | <1 | 0.4 | 16.7 | 68 | 11 |
| C00049565 | 137 | 10.1 | 8.4 | <1 | 0.2 | 9.5 | 18 | 2 |
| C00049566 | 86 | 25.8 | 10.4 | 1 | 0.3 | 11.4 | 76 | 3 |
| C00049567 | 52 | 10.8 | 5.4 | <1 | 0.1 | 14.0 | 37 | 1 |
| C00049568 | 165 | 17.0 | 9.0 | <1 | 0.1 | 9.8 | 36 | 6 |
| C00049569 | 272 | 13.2 | 12.0 | <1 | 0.4 | 9.0 | 38 | 3 |
| C00049570 | 100 | 22.5 | 16.5 | <1 | 0.2 | 10.0 | 58 | 5 |
| C00049571 | 381 | 28.1 | 10.1 | <1 | 0.3 | 15.9 | 44 | 11 |
| C00049572 | 505 | 11.7 | 4.2 | <1 | 0.1 | 13.7 | 21 | 5 |
| C00049573 | 363 | 28.1 | 7.2 | <1 | 0.2 | 19.8 | 41 | 6 |
| C00049574 | 139 | 15.7 | 3.8 | <1 | 0.2 | 15.2 | 19 | 5 |
| C00049575 | 116 | 10.4 | 1.6 | 2 | <0.1 | 51.0 | 6 | 2 |
| C00049576 | 337 | 9.8 | 3.7 | <1 | 0.1 | 27.7 | 13 | 7 |
| C00049577 | 198 | 27.4 | 10.9 | <1 | 0.3 | 23.7 | 42 | 15 |
| C00049578 | 420 | 17.3 | 6.7 | 1 | 0.2 | 27.1 | 27 | 8 |
| C00049579 | 445 | 16.3 | 10.8 | 6 | 0.5 | 18.8 | 36 | 9 |
| C00049580 | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. |

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| Element Method Det.Lim. Units | Fe GE_MMI_M 1 ppm | Ga GE_MMI_M 0.5 ppb | Gd GE_MMI_M 0.5 ppb | Hg GE_MMI_M 1 ppb | In GE_MMI_M 0.1 ppb | K GE_MMI_M 0.5 ppm | La GE_MMI_M 1 ppb | Li GE_MMI_M 1 ppb |
|--|----------------------------|------------------------------|------------------------------|----------------------------|------------------------------|-----------------------------|----------------------------|----------------------------|
| C00049581 | 435 | 12.6 | 4.2 | 2 | 0.2 | 29.4 | 19 | 9 |
| C00049582 | 417 | 6.4 | 2.2 | 2 | 0.1 | 26.2 | 9 | 6 |
| C00049583 | 462 | 34.5 | 10.0 | <1 | 0.3 | 11.3 | 56 | 8 |
| C00049584 | 380 | 21.5 | 189 | 9 | 0.5 | 19.7 | 94 | 16 |
| C00049585 | 400 | 3.1 | 7.0 | <1 | 0.1 | 13.6 | 14 | 4 |
| C00049586 | 157 | 21.3 | 19.4 | 1 | 0.4 | 18.8 | 66 | 2 |
| *Rep C00049515 | 271 | 10.2 | 12.3 | 2 | 0.2 | 14.4 | 30 | 4 |
| *Rep C00049529 | 194 | 6.2 | 77.5 | 3 | 0.2 | 19.1 | 56 | 5 |
| *Rep C00049553 | 337 | 33.8 | 14.7 | 2 | 0.5 | 23.1 | 59 | 18 |
| *Rep C00049569 | 284 | 15.6 | 12.0 | <1 | 0.4 | 9.7 | 38 | 3 |
| *Rep C00049575 | 115 | 11.2 | 1.7 | 2 | 0.1 | 49.9 | 7 | 3 |
| *Std MMISRM24 | 7 | 1.9 | 5.1 | 5 | <0.1 | 10.6 | 16 | <1 |
| *Std MMISRM19 | 12 | <0.5 | 3.4 | <1 | <0.1 | 96.0 | <1 | 1 |
| *Blk BLANK | <1 | <0.5 | <0.5 | <1 | <0.1 | <0.5 | <1 | <1 |
| *Blk BLANK | <1 | <0.5 | <0.5 | <1 | <0.1 | <0.5 | <1 | <1 |

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| Element Method Det.Lim. Units | Mg GE_MMI_M 0.5 ppm | Mn GE_MMI_M 100 ppb | Mo GE_MMI_M 2 ppb | Nb GE_MMI_M 0.5 ppb | Nd GE_MMI_M 1 ppb | Ni GE_MMI_M 5 ppb | P GE_MMI_M 0.1 ppm | Pb GE_MMI_M 5 ppb |
|--|------------------------------|------------------------------|----------------------------|------------------------------|----------------------------|----------------------------|-----------------------------|----------------------------|
| C00049501 | <0.5 | 300 | 43 | 4.3 | 34 | 54 | 13.8 | 953 |
| C00049502 | <0.5 | 200 | 41 | 3.9 | 15 | 44 | 13.1 | 1120 |
| C00049503 | <0.5 | 300 | 24 | 8.8 | 46 | 53 | 27.8 | 1070 |
| C00049504 | <0.5 | 1000 | 29 | 4.5 | 85 | 49 | 43.6 | 243 |
| C00049505 | 1.1 | 200 | 19 | 3.5 | 44 | 139 | 18.9 | 827 |
| C00049506 | 0.7 | 3900 | 94 | 3.0 | 281 | 511 | 19.3 | 655 |
| C00049507 | 1.4 | 2000 | 58 | 4.4 | 110 | 256 | 25.2 | 665 |
| C00049508 | 1.7 | 4000 | 49 | 3.9 | 114 | 247 | 22.6 | 843 |
| C00049509 | 0.7 | 1200 | 24 | 12.3 | 96 | 312 | 44.1 | 740 |
| C00049510 | <0.5 | 700 | 14 | 6.2 | 137 | 192 | 5.7 | 817 |
| C00049511 | 1.2 | 1900 | 30 | 4.3 | 129 | 237 | 22.9 | 1480 |
| C00049512 | 1.8 | 1900 | 36 | 5.3 | 64 | 289 | 26.3 | 1580 |
| C00049513 | 0.5 | 200 | 17 | 11.4 | 38 | 123 | 25.4 | 706 |
| C00049514 | 1.2 | 3400 | 52 | 5.8 | 76 | 240 | 16.2 | 516 |
| C00049515 | 1.5 | 12800 | 62 | 3.1 | 36 | 263 | 21.1 | 1130 |
| C00049516 | 1.9 | 1400 | 48 | 4.4 | 48 | 303 | 26.2 | 469 |
| C00049517 | 2.0 | 3300 | 44 | 4.2 | 93 | 290 | 24.6 | 1530 |
| C00049518 | 2.6 | 700 | 24 | 7.6 | 20 | 285 | 44.0 | 405 |
| C00049519 | 1.6 | 1900 | 27 | 2.5 | 30 | 157 | 14.5 | 2550 |
| C00049520 | 1.3 | 500 | 15 | 1.8 | 32 | 99 | 9.9 | 2020 |
| C00049521 | 1.1 | 3900 | 96 | 3.3 | 74 | 351 | 20.5 | 876 |
| C00049522 | 1.5 | 800 | 31 | 1.6 | 76 | 126 | 7.8 | 1110 |
| C00049523 | 3.3 | 7800 | 87 | 3.0 | 106 | 498 | 29.6 | 483 |
| C00049524 | 3.1 | 15600 | 119 | 4.3 | 78 | 549 | 34.1 | 729 |
| C00049525 | 1.0 | 3400 | 48 | 2.1 | 90 | 161 | 13.9 | 934 |
| C00049526 | 7.2 | 2600 | 41 | 2.4 | 49 | 1060 | 20.1 | 236 |
| C00049527 | 1.7 | 10200 | 103 | 4.7 | 182 | 742 | 20.2 | 1140 |
| C00049528 | 4.7 | 6400 | 51 | 5.7 | 80 | 518 | 24.3 | 1090 |
| C00049529 | 3.5 | 26400 | 87 | 1.1 | 159 | 680 | 11.0 | 883 |
| C00049530 | 1.8 | 10200 | 52 | 1.3 | 144 | 547 | 10.3 | 1080 |
| C00049531 | 4.3 | 5400 | 45 | 5.1 | 150 | 684 | 16.5 | 3710 |
| C00049532 | 4.1 | 7000 | 64 | 4.3 | 122 | 593 | 28.4 | 1210 |
| C00049533 | 1.6 | 3200 | 61 | 3.3 | 146 | 288 | 18.9 | 1290 |
| C00049534 | 2.3 | 10200 | 83 | 1.6 | 359 | 991 | 13.8 | 1420 |
| C00049535 | 2.9 | 3600 | 50 | 5.3 | 80 | 553 | 28.5 | 698 |
| C00049536 | 3.0 | 4900 | 70 | 5.9 | 70 | 592 | 19.0 | 966 |
| C00049537 | 8.0 | 8600 | 56 | 5.1 | 26 | 380 | 28.6 | 620 |
| C00049538 | 2.5 | 3800 | 66 | 4.0 | 143 | 411 | 15.2 | 1010 |
| C00049539 | 2.1 | 4200 | 71 | 4.5 | 143 | 263 | 16.7 | 1310 |
| C00049540 | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. |

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|--|------------------------------|------------------------------|----------------------------|------------------------------|----------------------------|----------------------------|-----------------------------|----------------------------|
| C00049541 | 3.3 | 600 | 34 | 8.2 | 33 | 130 | 35.2 | 508 |
| C00049542 | 4.5 | 700 | 23 | 2.6 | 19 | 222 | 90.1 | 225 |
| C00049543 | 3.2 | 2200 | 88 | 7.1 | 110 | 386 | 34.4 | 433 |
| C00049544 | 4.7 | 500 | 35 | 3.5 | 23 | 414 | 7.3 | 152 |
| C00049545 | 27.6 | 11100 | 21 | <0.5 | 1 | 355 | 1.2 | 41 |
| C00049546 | 11.4 | 2400 | 32 | 1.1 | 17 | 324 | 3.8 | 131 |
| C00049547 | 40.2 | 7100 | 34 | 0.8 | 5 | 729 | 2.4 | 267 |
| C00049548 | 29.0 | 1900 | 11 | <0.5 | <1 | 1320 | 4.1 | 12 |
| C00049549 | 0.8 | 100 | <2 | <0.5 | <1 | 61 | 0.6 | 7 |
| C00049550 | 17.4 | 8300 | 21 | <0.5 | 6 | 634 | 3.6 | 115 |
| C00049551 | 19.6 | 16700 | 83 | 1.6 | 34 | 1990 | 3.7 | 516 |
| C00049552 | 7.8 | 12400 | 120 | 2.8 | 50 | 1110 | 15.1 | 11100 |
| C00049553 | 2.1 | 4500 | 66 | 7.9 | 52 | 160 | 17.1 | 10800 |
| C00049554 | 0.6 | 200 | 14 | 24.6 | 39 | 57 | 22.5 | 2800 |
| C00049555 | 2.3 | 500 | 6 | 3.4 | 20 | 91 | 36.9 | 2530 |
| C00049556 | 0.8 | 200 | 19 | 7.4 | 21 | 40 | 30.8 | 1500 |
| C00049557 | 1.3 | 1700 | 44 | 7.2 | 44 | 115 | 11.7 | 7700 |
| C00049558 | 0.7 | 900 | 43 | 4.2 | 58 | 97 | 5.2 | 7030 |
| C00049559 | 1.3 | 1100 | 60 | 6.3 | 64 | 164 | 10.1 | 13300 |
| C00049560 | 1.4 | 500 | 35 | 9.9 | 53 | 91 | 7.8 | 6630 |
| C00049561 | 1.6 | 400 | 60 | 9.8 | 91 | 117 | 9.1 | 13500 |
| C00049562 | 1.9 | 500 | 48 | 6.1 | 78 | 136 | 10.0 | 16600 |
| C00049563 | 0.8 | 400 | 90 | 9.2 | 40 | 76 | 23.7 | 12800 |
| C00049564 | 1.4 | 500 | 63 | 15.3 | 59 | 75 | 12.2 | 11100 |
| C00049565 | <0.5 | 400 | 26 | 2.4 | 21 | 66 | 8.3 | 6930 |
| C00049566 | 0.8 | 600 | 14 | 10.8 | 58 | 70 | 22.4 | 1920 |
| C00049567 | 1.8 | 1000 | 11 | 3.1 | 29 | 39 | 18.5 | 167 |
| C00049568 | 0.6 | 500 | 47 | 4.9 | 35 | 99 | 17.7 | 2240 |
| C00049569 | 0.7 | 2800 | 69 | 8.1 | 51 | 198 | 40.6 | 2150 |
| C00049570 | 1.1 | 800 | 60 | 8.0 | 59 | 100 | 37.0 | 1260 |
| C00049571 | 1.6 | 2100 | 81 | 13.6 | 38 | 179 | 28.7 | 689 |
| C00049572 | 1.5 | 200 | 34 | 7.8 | 15 | 187 | 16.9 | 555 |
| C00049573 | 1.8 | 300 | 60 | 11.0 | 32 | 136 | 28.2 | 417 |
| C00049574 | 2.0 | 700 | 79 | 6.7 | 15 | 104 | 15.8 | 2100 |
| C00049575 | 3.8 | 400 | 8 | 1.0 | 7 | 102 | 27.8 | 228 |
| C00049576 | 3.6 | 1000 | 37 | 6.3 | 11 | 585 | 16.2 | 834 |
| C00049577 | 2.4 | 1600 | 113 | 7.5 | 36 | 138 | 16.5 | 1560 |
| C00049578 | 1.7 | 600 | 56 | 8.6 | 23 | 196 | 23.3 | 480 |
| C00049579 | 1.9 | 600 | 83 | 8.0 | 30 | 253 | 24.3 | 4760 |
| C00049580 | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. |

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| Element Method Det.Lim. Units | Mg GE_MMI_M 0.5 ppm | Mn GE_MMI_M 100 ppb | Mo GE_MMI_M 2 ppb | Nb GE_MMI_M 0.5 ppb | Nd GE_MMI_M 1 ppb | Ni GE_MMI_M 5 ppb | P GE_MMI_M 0.1 ppm | Pb GE_MMI_M 5 ppb |
|--|------------------------------|------------------------------|----------------------------|------------------------------|----------------------------|----------------------------|-----------------------------|----------------------------|
| C00049581 | 2.8 | 300 | 38 | 8.2 | 17 | 168 | 15.7 | 2700 |
| C00049582 | 1.8 | 400 | 34 | 5.0 | 7 | 264 | 9.2 | 1290 |
| C00049583 | 1.4 | 1800 | 84 | 14.3 | 54 | 128 | 17.0 | 1940 |
| C00049584 | 1.7 | 12400 | 189 | 3.5 | 329 | 542 | 22.3 | 2860 |
| C00049585 | 4.4 | 4300 | 144 | 1.7 | 21 | 3730 | 2.2 | 450 |
| C00049586 | 3.7 | 700 | 43 | 11.5 | 89 | 195 | 29.3 | 815 |
| *Rep C00049515 | 1.2 | 9300 | 51 | 2.3 | 30 | 209 | 17.0 | 1030 |
| *Rep C00049529 | 3.7 | 26200 | 76 | 0.9 | 151 | 712 | 10.1 | 847 |
| *Rep C00049553 | 2.0 | 3800 | 65 | 7.1 | 50 | 161 | 15.7 | 10600 |
| *Rep C00049569 | 0.8 | 2600 | 79 | 8.9 | 49 | 197 | 40.9 | 2240 |
| *Rep C00049575 | 3.7 | 400 | 8 | 1.3 | 7 | 114 | 29.8 | 321 |
| *Std MMISRM24 | 9.7 | 200 | 20 | <0.5 | 24 | 116 | 0.6 | 204 |
| *Std MMISRM19 | 203 | 5600 | 11 | <0.5 | <1 | 2130 | <0.1 | 1080 |
| *Blk BLANK | <0.5 | <100 | <2 | <0.5 | <1 | <5 | <0.1 | <5 |
| *Blk BLANK | <0.5 | <100 | <2 | <0.5 | <1 | 6 | 0.2 | <5 |

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| Element Method Det.Lim. Units | Pd GE_MMI_M 1 ppb | Pr GE_MMI_M 0.5 ppb | Pt GE_MMI_M 0.1 ppb | Rb GE_MMI_M 1 ppb | Sb GE_MMI_M 0.5 ppb | Sc GE_MMI_M 5 ppb | Sm GE_MMI_M 1 ppb | Sn GE_MMI_M 1 ppb |
|--|----------------------------|------------------------------|------------------------------|----------------------------|------------------------------|----------------------------|----------------------------|----------------------------|
| C00049501 | <1 | 7.8 | <0.1 | 112 | 26.4 | 22 | 11 | 2 |
| C00049502 | <1 | 3.7 | <0.1 | 129 | 18.3 | 17 | 5 | 2 |
| C00049503 | <1 | 12.0 | <0.1 | 148 | 19.7 | 25 | 12 | 2 |
| C00049504 | <1 | 21.1 | <0.1 | 101 | 9.3 | 35 | 18 | <1 |
| C00049505 | <1 | 12.0 | <0.1 | 136 | 6.4 | 39 | 10 | 2 |
| C00049506 | <1 | 59.4 | <0.1 | 109 | 54.8 | 145 | 92 | 3 |
| C00049507 | <1 | 23.9 | <0.1 | 146 | 27.2 | 119 | 38 | 2 |
| C00049508 | <1 | 25.1 | <0.1 | 179 | 28.8 | 110 | 38 | 2 |
| C00049509 | <1 | 24.1 | <0.1 | 127 | 13.0 | 57 | 23 | 2 |
| C00049510 | <1 | 29.6 | <0.1 | 111 | 5.0 | 49 | 42 | <1 |
| C00049511 | <1 | 30.1 | <0.1 | 137 | 14.2 | 76 | 38 | 1 |
| C00049512 | <1 | 14.8 | <0.1 | 124 | 14.7 | 41 | 19 | 2 |
| C00049513 | <1 | 9.7 | <0.1 | 87 | 7.2 | 33 | 9 | <1 |
| C00049514 | <1 | 19.4 | <0.1 | 152 | 22.5 | 51 | 22 | 2 |
| C00049515 | <1 | 8.9 | <0.1 | 43 | 24.7 | 28 | 11 | 1 |
| C00049516 | <1 | 11.0 | <0.1 | 87 | 20.3 | 54 | 15 | 2 |
| C00049517 | <1 | 20.3 | <0.1 | 125 | 21.7 | 57 | 31 | 2 |
| C00049518 | <1 | 4.7 | <0.1 | 31 | 9.5 | 45 | 7 | 2 |
| C00049519 | <1 | 6.8 | <0.1 | 45 | 17.6 | 32 | 10 | 2 |
| C00049520 | <1 | 7.6 | <0.1 | 68 | 6.9 | 41 | 10 | 1 |
| C00049521 | <1 | 18.8 | <0.1 | 168 | 49.3 | 51 | 21 | 2 |
| C00049522 | <1 | 19.4 | <0.1 | 125 | 12.7 | 34 | 20 | <1 |
| C00049523 | <1 | 20.8 | <0.1 | 98 | 32.3 | 79 | 38 | 2 |
| C00049524 | <1 | 19.5 | <0.1 | 154 | 57.1 | 101 | 23 | 4 |
| C00049525 | <1 | 19.6 | <0.1 | 97 | 20.1 | 46 | 28 | 2 |
| C00049526 | <1 | 9.9 | <0.1 | 112 | 19.7 | 108 | 17 | 3 |
| C00049527 | <1 | 41.5 | <0.1 | 117 | 54.1 | 86 | 57 | 2 |
| C00049528 | <1 | 17.5 | <0.1 | 87 | 22.5 | 73 | 24 | 3 |
| C00049529 | <1 | 29.6 | <0.1 | 40 | 30.1 | 55 | 54 | <1 |
| C00049530 | <1 | 26.4 | <0.1 | 44 | 20.8 | 46 | 49 | <1 |
| C00049531 | <1 | 32.3 | <0.1 | 42 | 22.0 | 67 | 46 | 2 |
| C00049532 | <1 | 27.4 | <0.1 | 92 | 25.4 | 70 | 38 | 3 |
| C00049533 | <1 | 32.7 | <0.1 | 110 | 32.8 | 67 | 44 | 2 |
| C00049534 | <1 | 65.3 | <0.1 | 77 | 41.6 | 89 | 121 | 1 |
| C00049535 | <1 | 17.5 | <0.1 | 79 | 24.5 | 58 | 23 | 3 |
| C00049536 | <1 | 16.6 | <0.1 | 131 | 27.4 | 63 | 20 | 3 |
| C00049537 | <1 | 6.6 | <0.1 | 83 | 12.8 | 62 | 6 | 4 |
| C00049538 | <1 | 30.2 | <0.1 | 102 | 29.0 | 63 | 42 | 2 |
| C00049539 | <1 | 31.6 | <0.1 | 118 | 34.7 | 63 | 42 | 3 |
| C00049540 | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. |

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| Element Method Det.Lim. Units | Pd GE_MMI_M 1 ppb | Pr GE_MMI_M 0.5 ppb | Pt GE_MMI_M 0.1 ppb | Rb GE_MMI_M 1 ppb | Sb GE_MMI_M 0.5 ppb | Sc GE_MMI_M 5 ppb | Sm GE_MMI_M 1 ppb | Sn GE_MMI_M 1 ppb |
|--|----------------------------|------------------------------|------------------------------|----------------------------|------------------------------|----------------------------|----------------------------|----------------------------|
| C00049541 | <1 | 8.9 | <0.1 | 90 | 3.9 | 71 | 7 | 4 |
| C00049542 | <1 | 4.1 | <0.1 | 61 | 2.8 | 53 | 4 | 2 |
| C00049543 | <1 | 24.0 | <0.1 | 181 | 30.2 | 78 | 33 | 4 |
| C00049544 | <1 | 5.4 | <0.1 | 72 | 13.8 | 63 | 6 | 2 |
| C00049545 | <1 | <0.5 | <0.1 | 23 | 1.2 | <5 | <1 | <1 |
| C00049546 | <1 | 3.5 | <0.1 | 61 | 7.1 | 31 | 5 | <1 |
| C00049547 | <1 | 1.1 | <0.1 | 74 | 6.0 | 32 | 2 | <1 |
| C00049548 | <1 | <0.5 | <0.1 | 96 | <0.5 | <5 | <1 | <1 |
| C00049549 | <1 | <0.5 | <0.1 | 6 | <0.5 | <5 | <1 | <1 |
| C00049550 | <1 | 1.3 | <0.1 | 51 | 1.5 | 12 | 2 | <1 |
| C00049551 | <1 | 6.9 | <0.1 | 125 | 11.3 | 33 | 10 | <1 |
| C00049552 | 1 | 11.8 | <0.1 | 142 | 54.8 | 85 | 16 | 3 |
| C00049553 | <1 | 12.9 | <0.1 | 147 | 37.4 | 79 | 11 | 4 |
| C00049554 | <1 | 10.2 | <0.1 | 70 | 2.8 | 25 | 9 | 3 |
| C00049555 | <1 | 4.7 | <0.1 | 77 | 0.7 | 54 | 4 | 2 |
| C00049556 | <1 | 5.4 | <0.1 | 101 | 3.8 | 28 | 4 | 5 |
| C00049557 | <1 | 10.2 | <0.1 | 118 | 28.1 | 42 | 11 | 2 |
| C00049558 | <1 | 13.5 | <0.1 | 101 | 23.7 | 45 | 15 | 1 |
| C00049559 | <1 | 14.7 | <0.1 | 149 | 44.3 | 59 | 16 | 2 |
| C00049560 | <1 | 12.9 | <0.1 | 140 | 22.7 | 41 | 12 | 3 |
| C00049561 | <1 | 22.5 | <0.1 | 144 | 44.9 | 56 | 17 | 4 |
| C00049562 | <1 | 19.5 | 0.1 | 125 | 34.5 | 72 | 17 | 2 |
| C00049563 | <1 | 10.1 | <0.1 | 149 | 29.2 | 31 | 8 | 5 |
| C00049564 | <1 | 16.1 | <0.1 | 148 | 38.6 | 46 | 13 | 5 |
| C00049565 | <1 | 5.0 | <0.1 | 181 | 23.2 | 13 | 6 | 1 |
| C00049566 | <1 | 16.5 | <0.1 | 105 | 6.2 | 23 | 10 | 2 |
| C00049567 | <1 | 7.6 | <0.1 | 113 | 3.8 | 16 | 5 | 2 |
| C00049568 | <1 | 8.5 | <0.1 | 92 | 36.0 | 19 | 9 | 2 |
| C00049569 | <1 | 11.1 | <0.1 | 103 | 34.0 | 32 | 11 | 2 |
| C00049570 | <1 | 14.2 | <0.1 | 148 | 13.0 | 45 | 13 | 5 |
| C00049571 | <1 | 9.2 | <0.1 | 134 | 30.1 | 56 | 8 | 4 |
| C00049572 | <1 | 3.9 | <0.1 | 27 | 8.2 | 12 | 3 | 1 |
| C00049573 | <1 | 8.2 | <0.1 | 64 | 9.4 | 29 | 7 | 2 |
| C00049574 | <1 | 3.7 | <0.1 | 121 | 18.2 | 22 | 3 | 3 |
| C00049575 | <1 | 1.4 | <0.1 | 83 | 1.0 | 12 | 1 | <1 |
| C00049576 | <1 | 2.8 | <0.1 | 36 | 7.7 | 22 | 3 | 1 |
| C00049577 | <1 | 9.2 | <0.1 | 130 | 26.2 | 52 | 9 | 4 |
| C00049578 | <1 | 5.7 | 0.1 | 54 | 13.0 | 35 | 6 | 2 |
| C00049579 | <1 | 7.3 | <0.1 | 51 | 35.3 | 36 | 8 | 3 |
| C00049580 | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. |

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| Element Method Det.Lim. Units | Pd GE_MMI_M 1 ppb | Pr GE_MMI_M 0.5 ppb | Pt GE_MMI_M 0.1 ppb | Rb GE_MMI_M 1 ppb | Sb GE_MMI_M 0.5 ppb | Sc GE_MMI_M 5 ppb | Sm GE_MMI_M 1 ppb | Sn GE_MMI_M 1 ppb |
|--|----------------------------|------------------------------|------------------------------|----------------------------|------------------------------|----------------------------|----------------------------|----------------------------|
| C00049581 | <1 | 4.0 | <0.1 | 29 | 6.9 | 19 | 4 | 1 |
| C00049582 | <1 | 2.0 | <0.1 | 28 | 12.9 | 7 | 2 | <1 |
| C00049583 | <1 | 12.4 | <0.1 | 120 | 24.7 | 34 | 11 | 3 |
| C00049584 | 1 | 52.4 | <0.1 | 124 | 87.7 | 123 | 123 | 3 |
| C00049585 | <1 | 4.3 | <0.1 | 25 | 36.5 | 10 | 6 | <1 |
| C00049586 | <1 | 20.0 | <0.1 | 60 | 4.5 | 65 | 21 | 2 |
| *Rep C00049515 | <1 | 7.0 | <0.1 | 41 | 20.1 | 23 | 9 | 1 |
| *Rep C00049529 | <1 | 28.1 | 0.1 | 41 | 29.6 | 53 | 51 | <1 |
| *Rep C00049553 | <1 | 12.7 | <0.1 | 149 | 36.6 | 74 | 13 | 3 |
| *Rep C00049569 | <1 | 10.8 | <0.1 | 113 | 36.6 | 35 | 12 | 2 |
| *Rep C00049575 | <1 | 1.6 | <0.1 | 88 | 0.9 | 13 | 1 | <1 |
| *Std MMISRM24 | 5 | 5.7 | 2.6 | 125 | <0.5 | 6 | 5 | <1 |
| *Std MMISRM19 | <1 | <0.5 | <0.1 | 201 | 1.0 | <5 | <1 | <1 |
| *Blk BLANK | <1 | <0.5 | <0.1 | <1 | <0.5 | <5 | <1 | <1 |
| *Blk BLANK | <1 | <0.5 | <0.1 | <1 | <0.5 | <5 | <1 | 8 |

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| Element Method Det.Lim. Units | Sr GE_MMI_M 10 ppb | Ta GE_MMI_M 1 ppb | Tb GE_MMI_M 0.1 ppb | Te GE_MMI_M 10 ppb | Th GE_MMI_M 0.5 ppb | Ti GE_MMI_M 10 ppb | Tl GE_MMI_M 0.1 ppb | U GE_MMI_M 0.5 ppb |
|--|-----------------------------|----------------------------|------------------------------|-----------------------------|------------------------------|-----------------------------|------------------------------|-----------------------------|
| C00049501 | 70 | <1 | 1.7 | <10 | 27.0 | 830 | 1.4 | 15.4 |
| C00049502 | 60 | <1 | 0.8 | <10 | 24.6 | 850 | 1.3 | 10.8 |
| C00049503 | 230 | <1 | 1.9 | <10 | 42.5 | 1460 | 1.7 | 17.3 |
| C00049504 | 30 | <1 | 2.6 | <10 | 73.8 | 690 | 1.8 | 28.2 |
| C00049505 | 80 | <1 | 1.6 | <10 | 64.6 | 930 | 0.6 | 16.0 |
| C00049506 | 210 | <1 | 22.8 | <10 | 206 | 880 | 3.4 | 158 |
| C00049507 | 100 | <1 | 9.0 | <10 | 195 | 1070 | 2.4 | 118 |
| C00049508 | 120 | <1 | 9.7 | <10 | 200 | 970 | 2.5 | 123 |
| C00049509 | 80 | <1 | 3.8 | <10 | 80.5 | 1700 | 1.3 | 48.4 |
| C00049510 | 40 | <1 | 8.9 | <10 | 60.7 | 740 | 0.8 | 52.2 |
| C00049511 | 90 | <1 | 8.3 | <10 | 126 | 760 | 1.4 | 77.0 |
| C00049512 | 90 | <1 | 4.3 | <10 | 72.9 | 1050 | 1.1 | 52.7 |
| C00049513 | 50 | <1 | 1.7 | <10 | 72.7 | 1280 | 0.7 | 38.6 |
| C00049514 | 120 | <1 | 5.0 | <10 | 135 | 1060 | 1.4 | 63.0 |
| C00049515 | 90 | <1 | 2.3 | <10 | 69.1 | 580 | 0.8 | 36.5 |
| C00049516 | 130 | <1 | 3.6 | <10 | 108 | 720 | 1.0 | 78.4 |
| C00049517 | 140 | <1 | 7.0 | <10 | 104 | 940 | 1.4 | 66.2 |
| C00049518 | 90 | <1 | 1.7 | <10 | 48.6 | 1350 | 0.6 | 41.7 |
| C00049519 | 100 | <1 | 3.0 | <10 | 52.9 | 820 | 0.7 | 24.1 |
| C00049520 | 40 | <1 | 2.9 | <10 | 49.5 | 620 | 0.7 | 14.0 |
| C00049521 | 210 | <1 | 4.2 | <10 | 146 | 810 | 1.6 | 71.8 |
| C00049522 | 100 | <1 | 3.9 | <10 | 130 | 480 | 1.2 | 40.2 |
| C00049523 | 200 | <1 | 9.5 | <10 | 109 | 690 | 1.5 | 89.2 |
| C00049524 | 340 | <1 | 5.6 | <10 | 205 | 1030 | 2.0 | 128 |
| C00049525 | 90 | <1 | 5.8 | <10 | 115 | 590 | 0.9 | 73.9 |
| C00049526 | 240 | <1 | 4.2 | <10 | 66.4 | 640 | 2.2 | 60.0 |
| C00049527 | 290 | <1 | 13.2 | <10 | 184 | 930 | 3.2 | 115 |
| C00049528 | 230 | <1 | 5.5 | <10 | 111 | 1130 | 1.5 | 68.8 |
| C00049529 | 140 | <1 | 12.3 | <10 | 97.6 | 310 | 2.8 | 96.3 |
| C00049530 | 170 | <1 | 11.5 | <10 | 76.6 | 300 | 1.4 | 67.1 |
| C00049531 | 220 | <1 | 9.8 | <10 | 115 | 680 | 0.8 | 82.2 |
| C00049532 | 230 | <1 | 8.1 | <10 | 94.8 | 760 | 1.7 | 50.5 |
| C00049533 | 140 | <1 | 8.9 | <10 | 147 | 700 | 2.1 | 85.6 |
| C00049534 | 210 | <1 | 24.7 | <10 | 120 | 460 | 3.9 | 119 |
| C00049535 | 240 | <1 | 4.7 | <10 | 116 | 820 | 1.4 | 54.1 |
| C00049536 | 240 | <1 | 4.3 | <10 | 115 | 1220 | 2.1 | 56.0 |
| C00049537 | 370 | <1 | 1.2 | <10 | 36.5 | 1120 | 1.4 | 19.7 |
| C00049538 | 180 | <1 | 8.0 | <10 | 121 | 790 | 1.5 | 81.4 |
| C00049539 | 180 | <1 | 8.2 | <10 | 137 | 980 | 1.6 | 86.0 |
| C00049540 | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. |

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| Element Method Det.Lim. Units | Sr GE_MMI_M 10 ppb | Ta GE_MMI_M 1 ppb | Tb GE_MMI_M 0.1 ppb | Te GE_MMI_M 10 ppb | Th GE_MMI_M 0.5 ppb | Ti GE_MMI_M 10 ppb | Tl GE_MMI_M 0.1 ppb | U GE_MMI_M 0.5 ppb |
|--|-----------------------------|----------------------------|------------------------------|-----------------------------|------------------------------|-----------------------------|------------------------------|-----------------------------|
| C00049541 | 230 | <1 | 1.2 | <10 | 37.4 | 1360 | 1.4 | 17.6 |
| C00049542 | 230 | <1 | 0.9 | <10 | 27.2 | 870 | 0.5 | 34.1 |
| C00049543 | 230 | <1 | 5.9 | <10 | 157 | 1140 | 2.4 | 88.6 |
| C00049544 | 180 | <1 | 1.2 | <10 | 24.8 | 600 | 1.5 | 25.9 |
| C00049545 | 750 | <1 | <0.1 | <10 | 1.2 | 20 | 0.2 | 21.1 |
| C00049546 | 380 | <1 | 0.9 | <10 | 14.9 | 240 | 1.2 | 54.0 |
| C00049547 | 1120 | <1 | 0.3 | <10 | 6.5 | 190 | 0.8 | 71.1 |
| C00049548 | 980 | <1 | <0.1 | <10 | <0.5 | 20 | <0.1 | 126 |
| C00049549 | 50 | <1 | <0.1 | 10 | <0.5 | <10 | <0.1 | 1.5 |
| C00049550 | 1060 | <1 | 0.3 | <10 | 2.2 | 60 | 0.2 | 252 |
| C00049551 | 560 | <1 | 1.9 | <10 | 21.9 | 290 | 1.5 | 112 |
| C00049552 | 370 | <1 | 3.5 | <10 | 90.1 | 740 | 3.4 | 84.0 |
| C00049553 | 200 | <1 | 2.1 | <10 | 62.4 | 1580 | 3.4 | 30.7 |
| C00049554 | 80 | 2 | 1.4 | <10 | 32.4 | 4720 | 0.8 | 22.8 |
| C00049555 | 220 | <1 | 0.6 | <10 | 13.1 | 1330 | 0.7 | 12.1 |
| C00049556 | 90 | <1 | 0.8 | <10 | 29.8 | 1990 | 1.1 | 13.5 |
| C00049557 | 140 | <1 | 1.8 | <10 | 44.9 | 1340 | 1.6 | 20.6 |
| C00049558 | 90 | <1 | 2.4 | <10 | 64.5 | 860 | 1.2 | 32.9 |
| C00049559 | 240 | <1 | 2.5 | <10 | 86.8 | 1260 | 1.8 | 29.2 |
| C00049560 | 130 | <1 | 1.9 | <10 | 42.3 | 2340 | 1.3 | 16.3 |
| C00049561 | 270 | <1 | 2.4 | <10 | 37.9 | 2140 | 2.2 | 12.8 |
| C00049562 | 330 | <1 | 2.5 | <10 | 83.4 | 1180 | 2.2 | 28.1 |
| C00049563 | 170 | <1 | 1.2 | <10 | 24.4 | 1890 | 1.5 | 11.6 |
| C00049564 | 190 | 1 | 1.9 | <10 | 39.0 | 3120 | 2.0 | 18.7 |
| C00049565 | 80 | <1 | 1.2 | <10 | 15.1 | 450 | 0.9 | 15.2 |
| C00049566 | 50 | <1 | 1.5 | <10 | 52.1 | 1350 | 0.8 | 19.0 |
| C00049567 | 110 | <1 | 0.8 | <10 | 18.4 | 1090 | 0.5 | 7.4 |
| C00049568 | 270 | <1 | 1.1 | <10 | 24.6 | 1050 | 1.1 | 10.6 |
| C00049569 | 250 | <1 | 1.6 | <10 | 52.3 | 1480 | 1.6 | 36.2 |
| C00049570 | 160 | <1 | 2.4 | <10 | 27.3 | 2430 | 1.6 | 28.0 |
| C00049571 | 140 | <1 | 1.5 | <10 | 53.8 | 2560 | 2.6 | 34.9 |
| C00049572 | 60 | <1 | 0.6 | <10 | 16.5 | 1320 | 0.7 | 12.0 |
| C00049573 | 80 | <1 | 1.3 | <10 | 45.7 | 2070 | 1.3 | 21.3 |
| C00049574 | 130 | <1 | 0.6 | <10 | 13.8 | 1000 | 1.3 | 11.7 |
| C00049575 | 250 | <1 | 0.2 | <10 | 5.9 | 320 | 0.5 | 10.1 |
| C00049576 | 300 | <1 | 0.5 | <10 | 19.3 | 900 | 1.0 | 18.6 |
| C00049577 | 120 | <1 | 1.6 | <10 | 41.2 | 1380 | 2.5 | 24.1 |
| C00049578 | 60 | <1 | 1.1 | <10 | 51.7 | 1450 | 1.3 | 31.9 |
| C00049579 | 140 | <1 | 1.7 | <10 | 51.8 | 1340 | 2.2 | 52.9 |
| C00049580 | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. |

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| Element Method Det.Lim. Units | Sr GE_MMI_M 10 ppb | Ta GE_MMI_M 1 ppb | Tb GE_MMI_M 0.1 ppb | Te GE_MMI_M 10 ppb | Th GE_MMI_M 0.5 ppb | Ti GE_MMI_M 10 ppb | Tl GE_MMI_M 0.1 ppb | U GE_MMI_M 0.5 ppb |
|--|-----------------------------|----------------------------|------------------------------|-----------------------------|------------------------------|-----------------------------|------------------------------|-----------------------------|
| C00049581 | 250 | <1 | 0.6 | <10 | 21.4 | 1120 | 1.0 | 21.5 |
| C00049582 | 100 | <1 | 0.3 | <10 | 13.9 | 660 | 0.9 | 16.6 |
| C00049583 | 90 | <1 | 1.5 | <10 | 45.1 | 2470 | 1.7 | 21.0 |
| C00049584 | 240 | <1 | 24.9 | <10 | 193 | 950 | 4.6 | 233 |
| C00049585 | 460 | <1 | 1.0 | <10 | 16.1 | 330 | 0.5 | 651 |
| C00049586 | 500 | <1 | 2.8 | <10 | 34.7 | 1850 | 0.3 | 259 |
| *Rep C00049515 | 70 | <1 | 1.9 | <10 | 57.8 | 440 | 0.7 | 31.7 |
| *Rep C00049529 | 150 | <1 | 11.9 | <10 | 90.3 | 270 | 2.6 | 85.9 |
| *Rep C00049553 | 190 | <1 | 2.2 | <10 | 59.7 | 1430 | 3.4 | 29.7 |
| *Rep C00049569 | 320 | <1 | 1.6 | <10 | 61.0 | 1610 | 1.5 | 40.7 |
| *Rep C00049575 | 270 | <1 | 0.3 | <10 | 6.1 | 370 | 0.7 | 10.9 |
| *Std MMISRM24 | 1350 | <1 | 0.6 | <10 | 16.1 | 20 | 0.2 | 8.9 |
| *Std MMISRM19 | 3610 | <1 | 0.7 | <10 | 6.6 | <10 | 0.9 | 60.8 |
| *Blk BLANK | <10 | <1 | <0.1 | <10 | <0.5 | <10 | <0.1 | <0.5 |
| *Blk BLANK | <10 | <1 | <0.1 | <10 | <0.5 | <10 | <0.1 | <0.5 |

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| Element Method Det.Lim. Units | W GE_MMI_M 0.5 ppb | Y GE_MMI_M 1 ppb | Yb GE_MMI_M 0.2 ppb | Zn GE_MMI_M 10 ppb | Zr GE_MMI_M 2 ppb | pH GE_ISE15V 0 pH-unit |
|--|-----------------------------|---------------------------|------------------------------|-----------------------------|----------------------------|---------------------------------|
| C00049501 | 1.2 | 27 | 2.5 | 170 | 206 | 4.62 |
| C00049502 | 1.8 | 15 | 1.6 | 150 | 155 | 4.55 |
| C00049503 | 1.3 | 37 | 4.0 | 150 | 366 | 4.96 |
| C00049504 | 1.5 | 53 | 5.3 | 120 | 662 | 5.88 |
| C00049505 | 0.8 | 39 | 3.4 | 120 | 160 | 4.52 |
| C00049506 | 4.4 | 507 | 26.7 | 2010 | 673 | 5.32 |
| C00049507 | 2.5 | 177 | 14.0 | 640 | 653 | 5.28 |
| C00049508 | 2.7 | 173 | 12.4 | 760 | 649 | 5.36 |
| C00049509 | 1.6 | 89 | 8.1 | 550 | 617 | 5.40 |
| C00049510 | 0.9 | 185 | 12.5 | 270 | 525 | 5.59 |
| C00049511 | 1.6 | 164 | 11.5 | 1210 | 799 | 5.41 |
| C00049512 | 2.0 | 75 | 4.5 | 660 | 312 | 4.69 |
| C00049513 | 1.6 | 30 | 3.0 | 210 | 491 | 4.77 |
| C00049514 | 2.8 | 93 | 6.3 | 690 | 723 | 5.09 |
| C00049515 | 2.8 | 45 | 3.3 | 1040 | 335 | 4.94 |
| C00049516 | 2.1 | 62 | 4.4 | 630 | 505 | 4.60 |
| C00049517 | 2.0 | 142 | 7.7 | 940 | 373 | 4.86 |
| C00049518 | 1.4 | 35 | 3.0 | 680 | 255 | 4.09 |
| C00049519 | 1.0 | 42 | 3.1 | 1040 | 184 | 4.80 |
| C00049520 | 0.5 | 50 | 4.0 | 430 | 122 | 4.31 |
| C00049521 | 4.7 | 68 | 5.8 | 1390 | 629 | 4.78 |
| C00049522 | 1.2 | 57 | 4.4 | 410 | 296 | 5.23 |
| C00049523 | 3.9 | 192 | 14.7 | 1770 | 406 | 4.76 |
| C00049524 | 5.2 | 101 | 8.1 | 2120 | 840 | 4.49 |
| C00049525 | 2.2 | 102 | 6.1 | 620 | 395 | 5.29 |
| C00049526 | 2.4 | 108 | 8.3 | 2240 | 240 | 4.39 |
| C00049527 | 5.8 | 295 | 18.9 | 2990 | 669 | 4.91 |
| C00049528 | 2.9 | 114 | 7.0 | 1590 | 445 | 4.36 |
| C00049529 | 9.5 | 346 | 24.0 | 2180 | 262 | 5.67 |
| C00049530 | 5.1 | 305 | 20.3 | 1830 | 227 | 5.70 |
| C00049531 | 26.3 | 233 | 15.9 | 3190 | 366 | 4.57 |
| C00049532 | 3.2 | 199 | 13.1 | 1640 | 342 | 4.77 |
| C00049533 | 3.0 | 186 | 10.7 | 1000 | 486 | 5.03 |
| C00049534 | 3.5 | 689 | 46.9 | 3310 | 361 | 5.10 |
| C00049535 | 2.4 | 99 | 6.8 | 1100 | 450 | 4.79 |
| C00049536 | 3.3 | 83 | 6.6 | 3270 | 479 | 5.27 |
| C00049537 | 3.0 | 30 | 2.8 | 2330 | 206 | 4.22 |
| C00049538 | 2.5 | 176 | 12.2 | 1220 | 504 | 5.22 |
| C00049539 | 3.1 | 165 | 9.3 | 950 | 481 | 5.21 |
| C00049540 | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. |

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|--|-----------------------------|---------------------------|------------------------------|-----------------------------|----------------------------|---------------------------------|
| C00049541 | 2.0 | 33 | 3.5 | 810 | 296 | 3.91 |
| C00049542 | 1.3 | 25 | 2.6 | 1080 | 85 | 3.58 |
| C00049543 | 3.5 | 115 | 8.0 | 650 | 528 | 5.09 |
| C00049544 | 1.7 | 42 | 3.8 | 580 | 142 | 4.64 |
| C00049545 | <0.5 | 4 | 0.6 | 4150 | 6 | 6.17 |
| C00049546 | 1.0 | 33 | 3.0 | 690 | 61 | 5.85 |
| C00049547 | 1.7 | 12 | 1.0 | 11300 | 43 | 6.34 |
| C00049548 | <0.5 | <1 | <0.2 | 8340 | <2 | 7.45 |
| C00049549 | <0.5 | <1 | <0.2 | 810 | <2 | 3.01 |
| C00049550 | <0.5 | 16 | 1.6 | 7680 | 19 | 6.79 |
| C00049551 | 1.1 | 69 | 4.8 | 19900 | 121 | 6.79 |
| C00049552 | 1.7 | 84 | 7.0 | 27600 | 494 | 5.38 |
| C00049553 | 1.9 | 51 | 4.6 | 1690 | 523 | 4.68 |
| C00049554 | 1.7 | 32 | 3.0 | 260 | 525 | 5.09 |
| C00049555 | 0.5 | 18 | 1.9 | 1050 | 116 | 3.67 |
| C00049556 | 1.1 | 25 | 2.7 | 360 | 234 | 3.94 |
| C00049557 | 1.7 | 38 | 3.4 | 1250 | 315 | 4.71 |
| C00049558 | 1.7 | 41 | 4.0 | 800 | 328 | 5.26 |
| C00049559 | 1.9 | 53 | 4.8 | 1620 | 441 | 4.80 |
| C00049560 | 1.9 | 45 | 3.8 | 690 | 263 | 4.87 |
| C00049561 | 2.3 | 52 | 4.9 | 870 | 305 | 4.51 |
| C00049562 | 1.5 | 48 | 4.4 | 1040 | 391 | 5.10 |
| C00049563 | 3.3 | 33 | 3.4 | 370 | 283 | 4.96 |
| C00049564 | 3.4 | 46 | 4.7 | 410 | 498 | 4.76 |
| C00049565 | 0.5 | 29 | 2.9 | 240 | 124 | 4.32 |
| C00049566 | 1.0 | 46 | 4.4 | 170 | 447 | 4.93 |
| C00049567 | 0.6 | 28 | 2.7 | 320 | 162 | 4.29 |
| C00049568 | 1.7 | 26 | 2.4 | 610 | 226 | 4.80 |
| C00049569 | 1.2 | 37 | 3.7 | 610 | 285 | 5.05 |
| C00049570 | 1.3 | 59 | 4.5 | 1080 | 296 | 4.95 |
| C00049571 | 2.5 | 44 | 4.5 | 430 | 469 | 5.15 |
| C00049572 | 1.2 | 16 | 1.3 | 140 | 139 | 4.99 |
| C00049573 | 1.6 | 30 | 2.8 | 250 | 378 | 4.72 |
| C00049574 | 2.0 | 17 | 1.8 | 670 | 166 | 4.02 |
| C00049575 | <0.5 | 7 | 0.9 | 590 | 31 | 3.83 |
| C00049576 | 1.1 | 16 | 1.7 | 850 | 191 | 4.77 |
| C00049577 | 3.0 | 41 | 3.5 | 570 | 345 | 4.87 |
| C00049578 | 1.3 | 28 | 2.3 | 210 | 352 | 4.69 |
| C00049579 | 1.9 | 43 | 3.6 | 1470 | 330 | 4.64 |
| C00049580 | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. |

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|--|-----------------------------|---------------------------|------------------------------|-----------------------------|----------------------------|---------------------------------|
| C00049581 | 1.2 | 17 | 1.7 | 1120 | 212 | 4.45 |
| C00049582 | 1.0 | 9 | 0.9 | 510 | 139 | 4.78 |
| C00049583 | 2.3 | 41 | 4.1 | 490 | 371 | 5.25 |
| C00049584 | 9.1 | 779 | 65.4 | 7070 | 713 | 5.09 |
| C00049585 | 0.5 | 47 | 4.0 | 2290 | 87 | 5.64 |
| C00049586 | 0.8 | 74 | 5.0 | 1480 | 272 | 3.58 |
| *Rep C00049502 | | | | | | 4.92 |
| *Rep C00049534 | | | | | | 5.20 |
| *Rep C00049552 | | | | | | 5.45 |
| *Rep C00049585 | | | | | | 5.75 |
| *Std AMIS0267 | | | | | | 8.14 |
| *Std AMIS0267 | | | | | | 8.10 |
| *Blk BLANK | | | | | | 7.20 |
| *Rep C00049515 | 2.9 | 37 | 2.8 | 850 | 279 | |
| *Rep C00049529 | 9.2 | 333 | 23.3 | 2320 | 245 | |
| *Rep C00049553 | 1.7 | 50 | 4.3 | 1720 | 495 | |
| *Rep C00049569 | 1.3 | 41 | 3.8 | 610 | 307 | |
| *Rep C00049575 | <0.5 | 8 | 1.0 | 770 | 36 | |
| *Std MMISRM24 | <0.5 | 21 | 1.0 | 240 | 25 | |
| *Std MMISRM19 | <0.5 | 24 | 4.8 | 2560 | 12 | |
| *Blk BLANK | <0.5 | <1 | <0.2 | <10 | <2 | |
| *Blk BLANK | <0.5 | <1 | <0.2 | <10 | <2 | |
| *Blk BLANK | | | | | | 7.15 |
| *Std AMIS0267 | | | | | | 8.09 |

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