

DATA SET: quan_exposure_20231013

DATE CREATED: 10/13/2023

Number of Observations: 24937

Number of Variables: 451

Organization of file: One Record per Participant (ID)

| VARIABLE NAME | LABEL (VAR) | TYPE | FORMAT | MEAN | RANGE | N | CATEGORY | FREQUENCY | PERCENT |
|-------------------|--|------|--------|----------|-------------------|-------|----------|-----------|---------|
| GULFID | Gulf ID | CHAR | \$ | | .-. | | | | |
| VIETNAMESE | Vietnamese worker | NUM | DYNF | | 0 | | No | 24375 | 97.7 |
| | | | | | 1 | | Yes | 562 | 2.3 |
| WORKER | Worked on spill | NUM | DYNF | | 1 | | Yes | 24937 | 100.0 |
| UNKNOWN_EXP | Participant is classified as a worker based on limited questionnaire data but precise work history is unknown. | NUM | DYNF | | 0 | | No | 24799 | 99.4 |
| | | | | | 1 | | Yes | 138 | 0.6 |
| OUTSIDE_EXP_RANGE | Exposure cannot be determined because estimates were unavailable for the work period. | NUM | DYNF | | 0 | | No | 24874 | 99.7 |
| | | | | | 1 | | Yes | 63 | 0.3 |
| QUANT_EXP_STATE | Working state during spill | CHAR | \$ | | .-. | | | | |
| QUANT_STARTDATE | Overall start date of work | NUM | MMDDYY | 05/31/10 | 04/22/10-06/16/11 | 24736 | MISSING | 201 | 0.8 |
| QUANT_ENDDATE | Overall end date of work | NUM | MMDDYY | 11/17/10 | 04/22/10-01/15/14 | 24736 | MISSING | 201 | 0.8 |
| VESSEL_LIST | List of Rig, ROV and RV vessels worked | CHAR | | | .-. | | | | |
| QUANT_WATERLOC | Water based job group: Overall | NUM | DYNF | | . | | Missing | 201 | 0.8 |
| | | | | | 0 | | No | 13374 | 53.6 |
| | | | | | 1 | | Yes | 11362 | 45.6 |
| QUANT_WATERLOC_1A | Water based job group: TP1A | NUM | DYNF | | . | | Missing | 201 | 0.8 |
| | | | | | 0 | | No | 21254 | 85.2 |
| | | | | | 1 | | Yes | 3482 | 14.0 |
| QUANT_WATERLOC_1B | Water based job group: TP1B | NUM | DYNF | | . | | Missing | 201 | 0.8 |
| | | | | | 0 | | No | 14404 | 57.8 |
| | | | | | 1 | | Yes | 10332 | 41.4 |
| QUANT_WATERLOC_2 | Water based job group: TP2 | NUM | DYNF | | . | | Missing | 201 | 0.8 |
| | | | | | 0 | | No | 16107 | 64.6 |
| | | | | | 1 | | Yes | 8629 | 34.6 |
| QUANT_WATERLOC_3 | Water based job group: TP3 | NUM | DYNF | | . | | Missing | 201 | 0.8 |

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|------------------|-------------------------------|------|--------|------|-------|---|----------|-----------|---------|
| | | | | | 0 | | No | 16289 | 65.3 |
| | | | | | 1 | | Yes | 8447 | 33.9 |
| QUANT_WATERLOC_4 | Water based job group: TP4 | NUM | DYNF | . | | | Missing | 201 | 0.8 |
| | | | | | 0 | | No | 19603 | 78.6 |
| | | | | | 1 | | Yes | 5133 | 20.6 |
| QUANT_WATERLOC_5 | Water based job group: TP5 | NUM | DYNF | . | | | Missing | 201 | 0.8 |
| | | | | | 0 | | No | 23683 | 95.0 |
| | | | | | 1 | | Yes | 1053 | 4.2 |
| QUANT_WATERLOC_6 | Water based job group: TP6 | NUM | DYNF | . | | | Missing | 201 | 0.8 |
| | | | | | 0 | | No | 24158 | 96.9 |
| | | | | | 1 | | Yes | 578 | 2.3 |
| QUANT_LANDLOC | Land based job group: Overall | NUM | DYNF | . | | | Missing | 201 | 0.8 |
| | | | | | 0 | | No | 5596 | 22.4 |
| | | | | | 1 | | Yes | 19140 | 76.8 |
| QUANT_LANDLOC_1A | Land based job group: TP1A | NUM | DYNF | . | | | Missing | 201 | 0.8 |
| | | | | | 0 | | No | 20570 | 82.5 |
| | | | | | 1 | | Yes | 4166 | 16.7 |
| QUANT_LANDLOC_1B | Land based job group: TP1B | NUM | DYNF | . | | | Missing | 201 | 0.8 |
| | | | | | 0 | | No | 8144 | 32.7 |
| | | | | | 1 | | Yes | 16592 | 66.5 |
| QUANT_LANDLOC_2 | Land based job group: TP2 | NUM | DYNF | . | | | Missing | 201 | 0.8 |
| | | | | | 0 | | No | 11036 | 44.3 |
| | | | | | 1 | | Yes | 13700 | 54.9 |
| QUANT_LANDLOC_3 | Land based job group: TP3 | NUM | DYNF | . | | | Missing | 201 | 0.8 |
| | | | | | 0 | | No | 10954 | 43.9 |
| | | | | | 1 | | Yes | 13782 | 55.3 |
| QUANT_LANDLOC_4 | Land based job group: TP4 | NUM | DYNF | . | | | Missing | 201 | 0.8 |
| | | | | | 0 | | No | 15455 | 62.0 |
| | | | | | 1 | | Yes | 9281 | 37.2 |

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|-----------------|---|------|--------|------|-------|---|----------|-----------|---------|
| QUANT_LANDLOC_5 | Land based job group: TP5 | NUM | DYNF | | . | | Missing | 201 | 0.8 |
| | | | | | | | No | 20270 | 81.3 |
| | | | | | | | Yes | 4466 | 17.9 |
| QUANT_LANDLOC_6 | Land based job group: TP6 | NUM | DYNF | | . | | Missing | 201 | 0.8 |
| | | | | | | | No | 22175 | 88.9 |
| | | | | | | | Yes | 2561 | 10.3 |
| QUANT_LWLOC | Land and water based job group: Overall | NUM | DYNF | | . | | Missing | 201 | 0.8 |
| | | | | | | | No | 17480 | 70.1 |
| | | | | | | | Yes | 7256 | 29.1 |
| QUANT_LWLOC_1A | Land and water based job group: TP1A | NUM | DYNF | | . | | Missing | 201 | 0.8 |
| | | | | | | | No | 24058 | 96.5 |
| | | | | | | | Yes | 678 | 2.7 |
| QUANT_LWLOC_1B | Land and water based job group: TP1B | NUM | DYNF | | . | | Missing | 201 | 0.8 |
| | | | | | | | No | 20846 | 83.6 |
| | | | | | | | Yes | 3890 | 15.6 |
| QUANT_LWLOC_2 | Land and water based job group: TP2 | NUM | DYNF | | . | | Missing | 201 | 0.8 |
| | | | | | | | No | 19911 | 79.8 |
| | | | | | | | Yes | 4825 | 19.3 |
| QUANT_LWLOC_3 | Land and water based job group: TP3 | NUM | DYNF | | . | | Missing | 201 | 0.8 |
| | | | | | | | No | 19401 | 77.8 |
| | | | | | | | Yes | 5335 | 21.4 |
| QUANT_LWLOC_4 | Land and water based job group: TP4 | NUM | DYNF | | . | | Missing | 201 | 0.8 |
| | | | | | | | No | 21298 | 85.4 |
| | | | | | | | Yes | 3438 | 13.8 |
| QUANT_LWLOC_5 | Land and water based job group: TP5 | NUM | DYNF | | . | | Missing | 201 | 0.8 |
| | | | | | | | No | 23554 | 94.5 |
| | | | | | | | Yes | 1182 | 4.7 |
| QUANT_LWLOC_6 | Land and water based job group: TP6 | NUM | DYNF | | . | | Missing | 201 | 0.8 |
| | | | | | | | No | 24351 | 97.7 |

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|-------------------|--------------------------|------|--------|------|-------|---|----------|-----------|---------|
| | | | | | 1 | | Yes | 385 | 1.5 |
| QUANT_CU_LAND_1A | RCDS Cleanup land: TP1A | NUM | DYNF | | . | | Missing | 201 | 0.8 |
| | | | | | 0 | | No | 23541 | 94.4 |
| | | | | | 1 | | Yes | 1195 | 4.8 |
| QUANT_CU_LAND_1B | RCDS Cleanup land: TP1B | NUM | DYNF | | . | | Missing | 201 | 0.8 |
| | | | | | 0 | | No | 14582 | 58.5 |
| | | | | | 1 | | Yes | 10154 | 40.7 |
| QUANT_CU_LAND_2 | RCDS Cleanup land: TP2 | NUM | DYNF | | . | | Missing | 201 | 0.8 |
| | | | | | 0 | | No | 16226 | 65.1 |
| | | | | | 1 | | Yes | 8510 | 34.1 |
| QUANT_CU_LAND_3 | RCDS Cleanup land: TP3 | NUM | DYNF | | . | | Missing | 201 | 0.8 |
| | | | | | 0 | | No | 15936 | 63.9 |
| | | | | | 1 | | Yes | 8800 | 35.3 |
| QUANT_CU_LAND_4 | RCDS Cleanup land: TP4 | NUM | DYNF | | . | | Missing | 201 | 0.8 |
| | | | | | 0 | | No | 18931 | 75.9 |
| | | | | | 1 | | Yes | 5805 | 23.3 |
| QUANT_CU_LAND_5 | RCDS Cleanup land: TP5 | NUM | DYNF | | . | | Missing | 201 | 0.8 |
| | | | | | 0 | | No | 21978 | 88.1 |
| | | | | | 1 | | Yes | 2758 | 11.1 |
| QUANT_CU_LAND_6 | RCDS Cleanup land: TP6 | NUM | DYNF | | . | | Missing | 201 | 0.8 |
| | | | | | 0 | | No | 23216 | 93.1 |
| | | | | | 1 | | Yes | 1520 | 6.1 |
| QUANT_CU_WATER_1A | RCDS Cleanup water: TP1A | NUM | DYNF | | . | | Missing | 201 | 0.8 |
| | | | | | 0 | | No | 21565 | 86.5 |
| | | | | | 1 | | Yes | 3171 | 12.7 |
| QUANT_CU_WATER_1B | RCDS Cleanup water: TP1B | NUM | DYNF | | . | | Missing | 201 | 0.8 |
| | | | | | 0 | | No | 14833 | 59.5 |
| | | | | | 1 | | Yes | 9903 | 39.7 |
| QUANT_CU_WATER_2 | RCDS Cleanup water: TP2 | NUM | DYNF | | . | | Missing | 201 | 0.8 |

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|------------------|-------------------------|------|--------|------|-------|---|----------|-----------|---------|
| | | | | | 0 | | No | 16576 | 66.5 |
| | | | | | 1 | | Yes | 8160 | 32.7 |
| QUANT_CU_WATER_3 | RCDS Cleanup water: TP3 | NUM | DYNF | . | | | Missing | 201 | 0.8 |
| | | | | | 0 | | No | 16737 | 67.1 |
| | | | | | 1 | | Yes | 7999 | 32.1 |
| QUANT_CU_WATER_4 | RCDS Cleanup water: TP4 | NUM | DYNF | . | | | Missing | 201 | 0.8 |
| | | | | | 0 | | No | 20029 | 80.3 |
| | | | | | 1 | | Yes | 4707 | 18.9 |
| QUANT_CU_WATER_5 | RCDS Cleanup water: TP5 | NUM | DYNF | . | | | Missing | 201 | 0.8 |
| | | | | | 0 | | No | 23683 | 95.0 |
| | | | | | 1 | | Yes | 1053 | 4.2 |
| QUANT_CU_WATER_6 | RCDS Cleanup water: TP6 | NUM | DYNF | . | | | Missing | 201 | 0.8 |
| | | | | | 0 | | No | 24158 | 96.9 |
| | | | | | 1 | | Yes | 578 | 2.3 |
| QUANT_DECON_1A | RCDS Decon: TP1A | NUM | DYNF | . | | | Missing | 201 | 0.8 |
| | | | | | 0 | | No | 23737 | 95.2 |
| | | | | | 1 | | Yes | 999 | 4.0 |
| QUANT_DECON_1B | RCDS Decon: TP1B | NUM | DYNF | . | | | Missing | 201 | 0.8 |
| | | | | | 0 | | No | 16647 | 66.8 |
| | | | | | 1 | | Yes | 8089 | 32.4 |
| QUANT_DECON_2 | RCDS Decon: TP2 | NUM | DYNF | . | | | Missing | 201 | 0.8 |
| | | | | | 0 | | No | 18041 | 72.3 |
| | | | | | 1 | | Yes | 6695 | 26.8 |
| QUANT_DECON_3 | RCDS Decon: TP3 | NUM | DYNF | . | | | Missing | 201 | 0.8 |
| | | | | | 0 | | No | 17113 | 68.6 |
| | | | | | 1 | | Yes | 7623 | 30.6 |
| QUANT_DECON_4 | RCDS Decon: TP4 | NUM | DYNF | . | | | Missing | 201 | 0.8 |
| | | | | | 0 | | No | 19872 | 79.7 |
| | | | | | 1 | | Yes | 4864 | 19.5 |

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|---------------------|--------------------------|------|--------|------|-------|---|----------|-----------|---------|
| QUANT_DECON_5 | RCDS Decon: TP5 | NUM | DYNF | | | | Missing | 201 | 0.8 |
| | | | | | | | No | 23630 | 94.8 |
| | | | | | | | Yes | 1106 | 4.4 |
| QUANT_DECON_6 | RCDS Decon: TP6 | NUM | DYNF | | | | Missing | 201 | 0.8 |
| | | | | | | | No | 24484 | 98.2 |
| | | | | | | | Yes | 252 | 1.0 |
| QUANT_RESPONSE_1A | RCDS Response: TP1A | NUM | DYNF | | | | Missing | 201 | 0.8 |
| | | | | | | | No | 24223 | 97.1 |
| | | | | | | | Yes | 513 | 2.1 |
| QUANT_RESPONSE_1B | RCDS Response: TP1B | NUM | DYNF | | | | Missing | 201 | 0.8 |
| | | | | | | | No | 22671 | 90.9 |
| | | | | | | | Yes | 2065 | 8.3 |
| QUANT_RESPONSE_2 | RCDS Response: TP2 | NUM | DYNF | | | | Missing | 201 | 0.8 |
| | | | | | | | No | 23495 | 94.2 |
| | | | | | | | Yes | 1241 | 5.0 |
| QUANT_RESPONSE_3 | RCDS Response: TP3 | NUM | DYNF | | | | Missing | 201 | 0.8 |
| | | | | | | | No | 23482 | 94.2 |
| | | | | | | | Yes | 1254 | 5.0 |
| QUANT_RESPONSE_4 | RCDS Response: TP4 | NUM | DYNF | | | | Missing | 201 | 0.8 |
| | | | | | | | No | 24145 | 96.8 |
| | | | | | | | Yes | 591 | 2.4 |
| QUANT_RESPONSE_5 | RCDS Response: TP5 | NUM | DYNF | | | | Missing | 201 | 0.8 |
| | | | | | | | No | 24736 | 99.2 |
| | | | | | | | | | |
| QUANT_RESPONSE_6 | RCDS Response: TP6 | NUM | DYNF | | | | Missing | 201 | 0.8 |
| | | | | | | | No | 24736 | 99.2 |
| | | | | | | | | | |
| QUANT_SUPP_ADMIN_1A | RCDS Support Admin: TP1A | NUM | DYNF | | | | Missing | 201 | 0.8 |
| | | | | | | | No | 22126 | 88.7 |
| | | | | | | | Yes | 2610 | 10.5 |
| QUANT_SUPP_ADMIN_1B | RCDS Support Admin: TP1B | NUM | DYNF | | | | Missing | 201 | 0.8 |

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|--------------------|-------------------------------|------|--------|------|-------|---|----------|-----------|---------|
| | | | | | 0 | | No | 17793 | 71.4 |
| | | | | | 1 | | Yes | 6943 | 27.8 |
| QUANT_SUPP_ADMIN_2 | RCDS Support Admin: TP2 | NUM | DYNF | . | | | Missing | 201 | 0.8 |
| | | | | | 0 | | No | 18972 | 76.1 |
| | | | | | 1 | | Yes | 5764 | 23.1 |
| QUANT_SUPP_ADMIN_3 | RCDS Support Admin: TP3 | NUM | DYNF | . | | | Missing | 201 | 0.8 |
| | | | | | 0 | | No | 19221 | 77.1 |
| | | | | | 1 | | Yes | 5515 | 22.1 |
| QUANT_SUPP_ADMIN_4 | RCDS Support Admin: TP4 | NUM | DYNF | . | | | Missing | 201 | 0.8 |
| | | | | | 0 | | No | 21188 | 85.0 |
| | | | | | 1 | | Yes | 3548 | 14.2 |
| QUANT_SUPP_ADMIN_5 | RCDS Support Admin: TP5 | NUM | DYNF | . | | | Missing | 201 | 0.8 |
| | | | | | 0 | | No | 23053 | 92.4 |
| | | | | | 1 | | Yes | 1683 | 6.7 |
| QUANT_SUPP_ADMIN_6 | RCDS Support Admin: TP6 | NUM | DYNF | . | | | Missing | 201 | 0.8 |
| | | | | | 0 | | No | 23663 | 94.9 |
| | | | | | 1 | | Yes | 1073 | 4.3 |
| QUANT_SUPP_OPS_1A | RCDS Support Operations: TP1A | NUM | DYNF | . | | | Missing | 201 | 0.8 |
| | | | | | 0 | | No | 23738 | 95.2 |
| | | | | | 1 | | Yes | 998 | 4.0 |
| QUANT_SUPP_OPS_1B | RCDS Support Operations: TP1B | NUM | DYNF | . | | | Missing | 201 | 0.8 |
| | | | | | 0 | | No | 18745 | 75.2 |
| | | | | | 1 | | Yes | 5991 | 24.0 |
| QUANT_SUPP_OPS_2 | RCDS Support Operations: TP2 | NUM | DYNF | . | | | Missing | 201 | 0.8 |
| | | | | | 0 | | No | 20234 | 81.1 |
| | | | | | 1 | | Yes | 4502 | 18.1 |
| QUANT_SUPP_OPS_3 | RCDS Support Operations: TP3 | NUM | DYNF | . | | | Missing | 201 | 0.8 |
| | | | | | 0 | | No | 19820 | 79.5 |
| | | | | | 1 | | Yes | 4916 | 19.7 |

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| QUANT_SUPP_OPS_4 | RCDS Support Operations: TP4 | NUM | DYNF | | . | | Missing | 201 | 0.8 |
| | | | | | | | No | 21559 | 86.5 |
| | | | | | | | Yes | 3177 | 12.7 |
| QUANT_SUPP_OPS_5 | RCDS Support Operations: TP5 | NUM | DYNF | | . | | Missing | 201 | 0.8 |
| | | | | | | | No | 23535 | 94.4 |
| | | | | | | | Yes | 1201 | 4.8 |
| QUANT_SUPP_OPS_6 | RCDS Support Operations: TP6 | NUM | DYNF | | . | | Missing | 201 | 0.8 |
| | | | | | | | No | 24216 | 97.1 |
| | | | | | | | Yes | 520 | 2.1 |
| QUANT_RIG | Worked on a rig | NUM | DYNF | | . | | Missing | 201 | 0.8 |
| | | | | | | | No | 24393 | 97.8 |
| | | | | | | | Yes | 343 | 1.4 |
| QUANT_RV | Worked on a research vessel | NUM | DYNF | | . | | Missing | 201 | 0.8 |
| | | | | | | | No | 24560 | 98.5 |
| | | | | | | | Yes | 176 | 0.7 |
| QUANT_ROV | Worked on a remote operated vessel | NUM | DYNF | | . | | Missing | 201 | 0.8 |
| | | | | | | | No | 24653 | 98.9 |
| | | | | | | | Yes | 83 | 0.3 |
| QUANT_CU_LAND | RCDS Cleanup land: Overall | NUM | DYNF | | . | | Missing | 201 | 0.8 |
| | | | | | | | No | 12871 | 51.6 |
| | | | | | | | Yes | 11865 | 47.6 |
| QUANT_CU_WATER | RCDS Cleanup water: Overall | NUM | DYNF | | . | | Missing | 201 | 0.8 |
| | | | | | | | No | 13656 | 54.8 |
| | | | | | | | Yes | 11080 | 44.4 |
| QUANT_DECON | RCDS Decon: Overall | NUM | DYNF | | . | | Missing | 201 | 0.8 |
| | | | | | | | No | 13999 | 56.1 |
| | | | | | | | Yes | 10737 | 43.1 |
| QUANT_RESPONSE | RCDS Response: Overall | NUM | DYNF | | . | | Missing | 201 | 0.8 |
| | | | | | | | No | 22241 | 89.2 |

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| | | | | | | 1 | Yes | 2495 | 10.0 |
| QUANT_SUPP_ADMIN | RCDS Support Admin: Overall | NUM | DYNF | . | | | Missing | 201 | 0.8 |
| | | | | 0 | | | No | 15849 | 63.6 |
| | | | | 1 | | | Yes | 8887 | 35.6 |
| QUANT_SUPP_OPS | RCDS Support Operations: Overall | NUM | DYNF | . | | | Missing | 201 | 0.8 |
| | | | | 0 | | | No | 17541 | 70.3 |
| | | | | 1 | | | Yes | 7195 | 28.9 |
| QUANT_RCDS | RCDS Group | NUM | RCDSLEVEL | . | | | Missing | 201 | 0.8 |
| | | | | 1 | | | Response Work | 2495 | 10.0 |
| | | | | 2 | | | Operations Work | 6078 | 24.4 |
| | | | | 3 | | | Cleanup On Water Work | 6312 | 25.3 |
| | | | | 4 | | | Decon Work | 2880 | 11.5 |
| | | | | 5 | | | Cleanup On Land Work | 2982 | 12.0 |
| | | | | 6 | | | Support Work | 3989 | 16.0 |
| EXP_DUR | Number of days exposed: Overall | NUM | | 123.6 | 1-375 | 24736 | MISSING | 201 | 0.8 |
| EXP_DUR_1A | Number of days exposed: TP1A | NUM | | 4.3 | 0-23 | 24736 | MISSING | 201 | 0.8 |
| EXP_DUR_1B | Number of days exposed: TP1B | NUM | | 33.2 | 0-59 | 24736 | MISSING | 201 | 0.8 |
| EXP_DUR_2 | Number of days exposed: TP2 | NUM | | 15.9 | 0-26 | 24736 | MISSING | 201 | 0.8 |
| EXP_DUR_3 | Number of days exposed: TP3 | NUM | | 24.8 | 0-48 | 24736 | MISSING | 201 | 0.8 |
| EXP_DUR_4 | Number of days exposed: TP4 | NUM | | 26.2 | 0-84 | 24736 | MISSING | 201 | 0.8 |
| EXP_DUR_5 | Number of days exposed: TP5 | NUM | | 11.9 | 0-78 | 24736 | MISSING | 201 | 0.8 |
| EXP_DUR_6 | Number of days exposed: TP6 | NUM | | 7.3 | 0-78 | 24736 | MISSING | 201 | 0.8 |
| THC_MAX1 | Total hydrocarbons Maximum exposure on any day of work: Overall | NUM | BEST | 1.5 | 0-22 | 24736 | MISSING | 201 | 0.8 |
| THC_MAX1_1A | Total hydrocarbons Maximum exposure on any day of work: TP1A | NUM | BEST | 1.6 | 0-22 | 7040 | MISSING | 17897 | 71.8 |
| THC_MAX1_1B | Total hydrocarbons Maximum exposure on any day of work: TP1B | NUM | BEST | 1.0 | 0-15 | 22462 | MISSING | 2475 | 9.9 |
| THC_MAX1_2 | Total hydrocarbons Maximum exposure on any day of work: TP2 | NUM | BEST | 0.8 | 0-4 | 19108 | MISSING | 5829 | 23.4 |

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| VARIABLE NAME | LABEL (VAR) | TYPE | FORMAT | MEAN | RANGE | N | CATEGORY | FREQUENCY | PERCENT |
|--------------------|--|------|--------|------|--------|-------|----------|-----------|---------|
| THC_MAX1_3 | Total hydrocarbons Maximum exposure on any day of work: TP3 | NUM | BEST | 1.1 | 0-7 | 18731 | MISSING | 6206 | 24.9 |
| THC_MAX1_4 | Total hydrocarbons Maximum exposure on any day of work: TP4 | NUM | BEST | 0.8 | 0-3 | 12425 | MISSING | 12512 | 50.2 |
| THC_MAX1_5 | Total hydrocarbons Maximum exposure on any day of work: TP5 | NUM | BEST | 0.5 | 0-3 | 5212 | MISSING | 19725 | 79.1 |
| THC_MAX1_6 | Total hydrocarbons Maximum exposure on any day of work: TP6 | NUM | BEST | 0.4 | 0-2 | 2940 | MISSING | 21997 | 88.2 |
| THC_MAX2 | Total hydrocarbons Maximum average exposure on any day of work: Overall | NUM | BEST | 0.8 | 0-22 | 24736 | MISSING | 201 | 0.8 |
| THC_MAX2_1A | Total hydrocarbons Maximum average exposure on any day of work: TP1A | NUM | BEST | 0.9 | 0-22 | 7040 | MISSING | 17897 | 71.8 |
| THC_MAX2_1B | Total hydrocarbons Maximum average exposure on any day of work: TP1B | NUM | BEST | 0.6 | 0-15 | 22462 | MISSING | 2475 | 9.9 |
| THC_MAX2_2 | Total hydrocarbons Maximum average exposure on any day of work: TP2 | NUM | BEST | 0.4 | 0-4 | 19108 | MISSING | 5829 | 23.4 |
| THC_MAX2_3 | Total hydrocarbons Maximum average exposure on any day of work: TP3 | NUM | BEST | 0.5 | 0-7 | 18731 | MISSING | 6206 | 24.9 |
| THC_MAX2_4 | Total hydrocarbons Maximum average exposure on any day of work: TP4 | NUM | BEST | 0.4 | 0-3 | 12425 | MISSING | 12512 | 50.2 |
| THC_MAX2_5 | Total hydrocarbons Maximum average exposure on any day of work: TP5 | NUM | BEST | 0.3 | 0-3 | 5212 | MISSING | 19725 | 79.1 |
| THC_MAX2_6 | Total hydrocarbons Maximum average exposure on any day of work: TP6 | NUM | BEST | 0.3 | 0-2 | 2940 | MISSING | 21997 | 88.2 |
| THC_CUMULATIVE1 | Total hydrocarbons Sum of maximum daily exposures across all days of work: Overall | NUM | | 99.6 | 0-1244 | 24736 | MISSING | 201 | 0.8 |
| THC_CUMULATIVE1_1A | Total hydrocarbons Sum of maximum daily exposures across all days of work: TP1A | NUM | | 25.2 | 0-515 | 7040 | MISSING | 17897 | 71.8 |
| THC_CUMULATIVE1_1B | Total hydrocarbons Sum of maximum daily exposures across all days of work: TP1B | NUM | | 31.6 | 0-513 | 22462 | MISSING | 2475 | 9.9 |
| THC_CUMULATIVE1_2 | Total hydrocarbons Sum of maximum daily exposures across all days of work: TP2 | NUM | | 16.1 | 0-80 | 19108 | MISSING | 5829 | 23.4 |
| THC_CUMULATIVE1_3 | Total hydrocarbons Sum of maximum daily exposures across all days of work: TP3 | NUM | | 31.8 | 0-193 | 18731 | MISSING | 6206 | 24.9 |
| THC_CUMULATIVE1_4 | Total hydrocarbons Sum of maximum daily exposures across all days of work: TP4 | NUM | | 35.8 | 0-256 | 12425 | MISSING | 12512 | 50.2 |
| THC_CUMULATIVE1_5 | Total hydrocarbons Sum of maximum daily exposures across all days of work: TP5 | NUM | | 29.3 | 0-253 | 5212 | MISSING | 19725 | 79.1 |

DATA SET: quan_exposure_20231013

DATE CREATED: 10/13/2023

Number of Observations: 24937

Number of Variables: 451

Organization of file: One Record per Participant (ID)

| VARIABLE NAME | LABEL (VAR) | TYPE | FORMAT | MEAN | RANGE | N | CATEGORY | FREQUENCY | PERCENT |
|--------------------|--|------|--------|------|-------|-------|----------|-----------|---------|
| THC_CUMULATIVE1_6 | Total hydrocarbons Sum of maximum daily exposures across all days of work: TP6 | NUM | | 25.5 | 0-162 | 2940 | MISSING | 21997 | 88.2 |
| THC_CUMULATIVE2 | Total hydrocarbons Sum of average daily exposures across all days of work: Overall | NUM | | 51.5 | 0-761 | 24736 | MISSING | 201 | 0.8 |
| THC_CUMULATIVE2_1A | Total hydrocarbons Sum of average daily exposures across all days of work: TP1A | NUM | | 13.6 | 0-515 | 7040 | MISSING | 17897 | 71.8 |
| THC_CUMULATIVE2_1B | Total hydrocarbons Sum of average daily exposures across all days of work: TP1B | NUM | | 17.6 | 0-513 | 22462 | MISSING | 2475 | 9.9 |
| THC_CUMULATIVE2_2 | Total hydrocarbons Sum of average daily exposures across all days of work: TP2 | NUM | | 7.6 | 0-80 | 19108 | MISSING | 5829 | 23.4 |
| THC_CUMULATIVE2_3 | Total hydrocarbons Sum of average daily exposures across all days of work: TP3 | NUM | | 14.4 | 0-192 | 18731 | MISSING | 6206 | 24.9 |
| THC_CUMULATIVE2_4 | Total hydrocarbons Sum of average daily exposures across all days of work: TP4 | NUM | | 18.3 | 0-256 | 12425 | MISSING | 12512 | 50.2 |
| THC_CUMULATIVE2_5 | Total hydrocarbons Sum of average daily exposures across all days of work: TP5 | NUM | | 16.9 | 0-253 | 5212 | MISSING | 19725 | 79.1 |
| THC_CUMULATIVE2_6 | Total hydrocarbons Sum of average daily exposures across all days of work: TP6 | NUM | | 18.3 | 0-162 | 2940 | MISSING | 21997 | 88.2 |
| THC_MEAN1 | Total hydrocarbons Average of the daily maximum exposures: Overall | NUM | | 0.8 | 0-21 | 24736 | MISSING | 201 | 0.8 |
| THC_MEAN1_1A | Total hydrocarbons Average of the daily maximum exposures: TP1A | NUM | | 1.5 | 0-22 | 7040 | MISSING | 17897 | 71.8 |
| THC_MEAN1_1B | Total hydrocarbons Average of the daily maximum exposures: TP1B | NUM | | 0.8 | 0-15 | 22462 | MISSING | 2475 | 9.9 |
| THC_MEAN1_2 | Total hydrocarbons Average of the daily maximum exposures: TP2 | NUM | | 0.8 | 0-4 | 19108 | MISSING | 5829 | 23.4 |
| THC_MEAN1_3 | Total hydrocarbons Average of the daily maximum exposures: TP3 | NUM | | 0.9 | 0-5 | 18731 | MISSING | 6206 | 24.9 |
| THC_MEAN1_4 | Total hydrocarbons Average of the daily maximum exposures: TP4 | NUM | | 0.7 | 0-3 | 12425 | MISSING | 12512 | 50.2 |
| THC_MEAN1_5 | Total hydrocarbons Average of the daily maximum exposures: TP5 | NUM | | 0.5 | 0-3 | 5212 | MISSING | 19725 | 79.1 |
| THC_MEAN1_6 | Total hydrocarbons Average of the daily maximum exposures: TP6 | NUM | | 0.4 | 0-2 | 2940 | MISSING | 21997 | 88.2 |
| THC_MEAN2 | Total hydrocarbons Average of the daily average exposures: Overall | NUM | | 0.4 | 0-21 | 24736 | MISSING | 201 | 0.8 |
| THC_MEAN2_1A | Total hydrocarbons Average of the daily average exposures: TP1A | NUM | | 0.9 | 0-22 | 7040 | MISSING | 17897 | 71.8 |

DATA SET: quan_exposure_20231013

DATE CREATED: 10/13/2023

Number of Observations: 24937

Number of Variables: 451

Organization of file: One Record per Participant (ID)

| VARIABLE NAME | LABEL (VAR) | TYPE | FORMAT | MEAN | RANGE | N | CATEGORY | FREQUENCY | PERCENT |
|----------------------|---|------|-----------------------|------|-------|-------|------------------|-----------|---------|
| THC_MEAN2_1B | Total hydrocarbons Average of the daily average exposures: TP1B | NUM | | 0.5 | 0-15 | 22462 | MISSING | 2475 | 9.9 |
| THC_MEAN2_2 | Total hydrocarbons Average of the daily average exposures: TP2 | NUM | | 0.4 | 0-4 | 19108 | MISSING | 5829 | 23.4 |
| THC_MEAN2_3 | Total hydrocarbons Average of the daily average exposures: TP3 | NUM | | 0.4 | 0-5 | 18731 | MISSING | 6206 | 24.9 |
| THC_MEAN2_4 | Total hydrocarbons Average of the daily average exposures: TP4 | NUM | | 0.4 | 0-3 | 12425 | MISSING | 12512 | 50.2 |
| THC_MEAN2_5 | Total hydrocarbons Average of the daily average exposures: TP5 | NUM | | 0.3 | 0-3 | 5212 | MISSING | 19725 | 79.1 |
| THC_MEAN2_6 | Total hydrocarbons Average of the daily average exposures: TP6 | NUM | | 0.3 | 0-2 | 2940 | MISSING | 21997 | 88.2 |
| CUMULATIVE1_THC5L | THC 5 level scale cumulative maximum exposure: Overall | NUM | MAXTHC5LEVEL MATCH | | . | | Missing | 201 | 0.8 |
| | | | | | 1 | | <=5 | 4127 | 16.5 |
| | | | | | 2 | | 5.1-14.9 | 2696 | 10.8 |
| | | | | | 3 | | 15.0-44.9 | 4998 | 20.0 |
| | | | | | 4 | | 45.0-134.9 | 6906 | 27.7 |
| | | | | | 5 | | >=135 | 6009 | 24.1 |
| MAXQTHC4L | THC 4 level ordinal scale maximum maximum exposure: Overall | NUM | MAXTHC4LEVEL MATCH | | . | | Missing | 201 | 0.8 |
| | | | | | 1 | | Low (<0.3) | 5217 | 20.9 |
| | | | | | 2 | | Med (0.3-0.9) | 7978 | 32.0 |
| | | | | | 3 | | High (1.0-2.9) | 7312 | 29.3 |
| | | | | | 4 | | Very High (>= 3) | 4229 | 17.0 |
| CUMULATIVE1_THC5L_1A | THC 5 level scale cumulative maximum exposure: TP1A | NUM | MAXTHC5LEVEL MATCH | | . | | Missing | 17897 | 71.8 |
| | | | | | 1 | | <=5 | 3280 | 13.2 |
| | | | | | 2 | | 5.1-14.9 | 1945 | 7.8 |
| | | | | | 3 | | 15.0-44.9 | 1088 | 4.4 |
| | | | | | 4 | | 45.0-134.9 | 367 | 1.5 |
| | | | | | 5 | | >=135 | 360 | 1.4 |
| MAXQTHC4L_1A | THC 4 level ordinal scale maximum maximum exposure: TP1A | NUM | MAXTHC4LEVEL MATCH | | . | | Missing | 17897 | 71.8 |
| | | | | | 1 | | Low (<0.3) | 2605 | 10.4 |
| | | | | | 2 | | Med (0.3-0.9) | 2445 | 9.8 |

DATA SET: quan_exposure_20231013

DATE CREATED: 10/13/2023

Number of Observations: 24937

Number of Variables: 451

Organization of file: One Record per Participant (ID)

| VARIABLE NAME | LABEL (VAR) | TYPE | FORMAT | MEAN | RANGE | N | CATEGORY | FREQUENCY | PERCENT |
|----------------------|--|------|-----------------------|------|-------|---|------------------|-----------|---------|
| | | | | | | | High (1.0-2.9) | 1256 | 5.0 |
| | | | | | | | Very High (>= 3) | 734 | 2.9 |
| CUMULATIVE1_THC5L_1B | THC 5 level scale cumulative maximum exposure: TP1B | NUM | MAXTHC5LEVEL MATCH | . | | | Missing | 2475 | 9.9 |
| | | | | | | | <=5 | 6206 | 24.9 |
| | | | | | | | 5.1-14.9 | 4428 | 17.8 |
| | | | | | | | 15.0-44.9 | 6431 | 25.8 |
| | | | | | | | 45.0-134.9 | 4506 | 18.1 |
| | | | | | | | >=135 | 891 | 3.6 |
| MAXQTHC4L_1B | THC 4 level ordinal scale maximum maximum exposure: TP1B | NUM | MAXTHC4LEVEL MATCH | . | | | Missing | 2475 | 9.9 |
| | | | | | | | Low (<0.3) | 6303 | 25.3 |
| | | | | | | | Med (0.3-0.9) | 7439 | 29.8 |
| | | | | | | | High (1.0-2.9) | 6926 | 27.8 |
| | | | | | | | Very High (>= 3) | 1794 | 7.2 |
| CUMULATIVE1_THC5L_2 | THC 5 level scale cumulative maximum exposure: TP2 | NUM | MAXTHC5LEVEL MATCH | . | | | Missing | 5829 | 23.4 |
| | | | | | | | <=5 | 6566 | 26.3 |
| | | | | | | | 5.1-14.9 | 6224 | 25.0 |
| | | | | | | | 15.0-44.9 | 4471 | 17.9 |
| | | | | | | | 45.0-134.9 | 1847 | 7.4 |
| MAXQTHC4L_2 | THC 4 level ordinal scale maximum maximum exposure: TP2 | NUM | MAXTHC4LEVEL MATCH | . | | | Missing | 5829 | 23.4 |
| | | | | | | | Low (<0.3) | 6979 | 28.0 |
| | | | | | | | Med (0.3-0.9) | 6946 | 27.9 |
| | | | | | | | High (1.0-2.9) | 4056 | 16.3 |
| | | | | | | | Very High (>= 3) | 1127 | 4.5 |
| CUMULATIVE1_THC5L_3 | THC 5 level scale cumulative maximum exposure: TP3 | NUM | MAXTHC5LEVEL MATCH | . | | | Missing | 6206 | 24.9 |
| | | | | | | | <=5 | 5444 | 21.8 |
| | | | | | | | 5.1-14.9 | 3925 | 15.7 |
| | | | | | | | 15.0-44.9 | 4978 | 20.0 |
| | | | | | | | 45.0-134.9 | 3350 | 13.4 |

DATA SET: quan_exposure_20231013

DATE CREATED: 10/13/2023

Number of Observations: 24937

Number of Variables: 451

Organization of file: One Record per Participant (ID)

| VARIABLE NAME | LABEL (VAR) | TYPE | FORMAT | MEAN | RANGE | N | CATEGORY | FREQUENCY | PERCENT |
|---------------------|---|------|-----------------------|------|-------|---|------------------|-----------|---------|
| | | | | | | 5 | >=135 | 1034 | 4.1 |
| MAXQTHC4L_3 | THC 4 level ordinal scale maximum maximum exposure: TP3 | NUM | MAXTHC4LEVEL MATCH | | . | | Missing | 6206 | 24.9 |
| | | | | | 1 | | Low (<0.3) | 5435 | 21.8 |
| | | | | | 2 | | Med (0.3-0.9) | 6471 | 25.9 |
| | | | | | 3 | | High (1.0-2.9) | 4524 | 18.1 |
| | | | | | 4 | | Very High (>= 3) | 2301 | 9.2 |
| CUMULATIVE1_THC5L_4 | THC 5 level scale cumulative maximum exposure: TP4 | NUM | MAXTHC5LEVEL MATCH | | . | | Missing | 12512 | 50.2 |
| | | | | | 1 | | <=5 | 3007 | 12.1 |
| | | | | | 2 | | 5.1-14.9 | 2694 | 10.8 |
| | | | | | 3 | | 15.0-44.9 | 3719 | 14.9 |
| | | | | | 4 | | 45.0-134.9 | 2281 | 9.1 |
| | | | | | 5 | | >=135 | 724 | 2.9 |
| MAXQTHC4L_4 | THC 4 level ordinal scale maximum maximum exposure: TP4 | NUM | MAXTHC4LEVEL MATCH | | . | | Missing | 12512 | 50.2 |
| | | | | | 1 | | Low (<0.3) | 4483 | 18.0 |
| | | | | | 2 | | Med (0.3-0.9) | 4953 | 19.9 |
| | | | | | 3 | | High (1.0-2.9) | 2446 | 9.8 |
| | | | | | 4 | | Very High (>= 3) | 543 | 2.2 |
| CUMULATIVE1_THC5L_5 | THC 5 level scale cumulative maximum exposure: TP5 | NUM | MAXTHC5LEVEL MATCH | | . | | Missing | 19725 | 79.1 |
| | | | | | 1 | | <=5 | 1526 | 6.1 |
| | | | | | 2 | | 5.1-14.9 | 1247 | 5.0 |
| | | | | | 3 | | 15.0-44.9 | 1542 | 6.2 |
| | | | | | 4 | | 45.0-134.9 | 614 | 2.5 |
| | | | | | 5 | | >=135 | 283 | 1.1 |
| MAXQTHC4L_5 | THC 4 level ordinal scale maximum maximum exposure: TP5 | NUM | MAXTHC4LEVEL MATCH | | . | | Missing | 19725 | 79.1 |
| | | | | | 1 | | Low (<0.3) | 2723 | 10.9 |
| | | | | | 2 | | Med (0.3-0.9) | 1930 | 7.7 |
| | | | | | 3 | | High (1.0-2.9) | 382 | 1.5 |
| | | | | | 4 | | Very High (>= 3) | 177 | 0.7 |

DATA SET: quan_exposure_20231013

DATE CREATED: 10/13/2023

Number of Observations: 24937

Number of Variables: 451

Organization of file: One Record per Participant (ID)

| VARIABLE NAME | LABEL (VAR) | TYPE | FORMAT | MEAN | RANGE | N | CATEGORY | FREQUENCY | PERCENT |
|---------------------|---|------|-----------------------|------|-------|-------|----------------|-----------|---------|
| CUMULATIVE1_THC5L_6 | THC 5 level scale cumulative maximum exposure: TP6 | NUM | MAXTHC5LEVEL MATCH | . | | | Missing | 21997 | 88.2 |
| | | | | | 1 | | <=5 | 854 | 3.4 |
| | | | | | 2 | | 5.1-14.9 | 506 | 2.0 |
| | | | | | 3 | | 15.0-44.9 | 1227 | 4.9 |
| | | | | | 4 | | 45.0-134.9 | 261 | 1.0 |
| | | | | | 5 | | >=135 | 92 | 0.4 |
| MAXQTHC4L_6 | THC 4 level ordinal scale maximum maximum exposure: TP6 | NUM | MAXTHC4LEVEL MATCH | . | | | Missing | 21997 | 88.2 |
| | | | | | 1 | | Low (<0.3) | 1118 | 4.5 |
| | | | | | 2 | | Med (0.3-0.9) | 1639 | 6.6 |
| | | | | | 3 | | High (1.0-2.9) | 183 | 0.7 |
| THC_ABOVE_1_TP1A | Number of days greater than or equal to 1 PPM: TP1A | NUM | | 1.3 | 0-23 | 24937 | | 24937 | 100.0 |
| THC_ABOVE_3_TP1A | Number of days greater than or equal to 3 PPM: TP1A | NUM | | 0.4 | 0-23 | 24937 | | 24937 | 100.0 |
| THC_ABOVE_5_TP1A | Number of days greater than or equal to 5 PPM: TP1A | NUM | | 0.3 | 0-23 | 24937 | | 24937 | 100.0 |
| THC_ABOVE_10_TP1A | Number of days greater than or equal to 10 PPM: TP1A | NUM | | 0.3 | 0-23 | 24937 | | 24937 | 100.0 |
| THC_ABOVE_1_TP1B | Number of days greater than or equal to 1 PPM: TP1B | NUM | | 11.0 | 0-59 | 24937 | | 24937 | 100.0 |
| THC_ABOVE_3_TP1B | Number of days greater than or equal to 3 PPM: TP1B | NUM | | 1.8 | 0-59 | 24937 | | 24937 | 100.0 |
| THC_ABOVE_5_TP1B | Number of days greater than or equal to 5 PPM: TP1B | NUM | | 0.1 | 0-40 | 24937 | | 24937 | 100.0 |
| THC_ABOVE_10_TP1B | Number of days greater than or equal to 10 PPM: TP1B | NUM | | 0.0 | 0-35 | 24937 | | 24937 | 100.0 |
| THC_ABOVE_1_TP2 | Number of days greater than or equal to 1 PPM: TP2 | NUM | | 4.3 | 0-26 | 24937 | | 24937 | 100.0 |
| THC_ABOVE_3_TP2 | Number of days greater than or equal to 3 PPM: TP2 | NUM | | 0.9 | 0-23 | 24937 | | 24937 | 100.0 |
| THC_ABOVE_5_TP2 | Number of days greater than or equal to 5 PPM: TP2 | NUM | | 0.0 | 0-0 | 24937 | | 24937 | 100.0 |
| THC_ABOVE_10_TP2 | Number of days greater than or equal to 10 PPM: TP2 | NUM | | 0.0 | 0-0 | 24937 | | 24937 | 100.0 |
| THC_ABOVE_1_TP3 | Number of days greater than or equal to 1 PPM: TP3 | NUM | | 8.1 | 0-47 | 24937 | | 24937 | 100.0 |
| THC_ABOVE_3_TP3 | Number of days greater than or equal to 3 PPM: TP3 | NUM | | 2.6 | 0-44 | 24937 | | 24937 | 100.0 |

DATA SET: quan_exposure_20231013

DATE CREATED: 10/13/2023

Number of Observations: 24937

Number of Variables: 451

Organization of file: One Record per Participant (ID)

| VARIABLE NAME | LABEL (VAR) | TYPE | FORMAT | MEAN | RANGE | N | CATEGORY | FREQUENCY | PERCENT |
|----------------------|---|------|--------|------|-------|-------|----------|-----------|---------|
| THC_ABOVE_5_TP3 | Number of days greater than or equal to 5 PPM: TP3 | NUM | | 0.0 | 0-28 | 24937 | | 24937 | 100.0 |
| THC_ABOVE_10_TP3 | Number of days greater than or equal to 10 PPM: TP3 | NUM | | 0.0 | 0-0 | 24937 | | 24937 | 100.0 |
| THC_ABOVE_1_TP4 | Number of days greater than or equal to 1 PPM: TP4 | NUM | | 5.1 | 0-83 | 24937 | | 24937 | 100.0 |
| THC_ABOVE_3_TP4 | Number of days greater than or equal to 3 PPM: TP4 | NUM | | 1.0 | 0-79 | 24937 | | 24937 | 100.0 |
| THC_ABOVE_5_TP4 | Number of days greater than or equal to 5 PPM: TP4 | NUM | | 0.0 | 0-0 | 24937 | | 24937 | 100.0 |
| THC_ABOVE_10_TP4 | Number of days greater than or equal to 10 PPM: TP4 | NUM | | 0.0 | 0-0 | 24937 | | 24937 | 100.0 |
| THC_ABOVE_1_TP5 | Number of days greater than or equal to 1 PPM: TP5 | NUM | | 1.2 | 0-78 | 24937 | | 24937 | 100.0 |
| THC_ABOVE_3_TP5 | Number of days greater than or equal to 3 PPM: TP5 | NUM | | 0.4 | 0-78 | 24937 | | 24937 | 100.0 |
| THC_ABOVE_5_TP5 | Number of days greater than or equal to 5 PPM: TP5 | NUM | | 0.0 | 0-0 | 24937 | | 24937 | 100.0 |
| THC_ABOVE_10_TP5 | Number of days greater than or equal to 10 PPM: TP5 | NUM | | 0.0 | 0-0 | 24937 | | 24937 | 100.0 |
| THC_ABOVE_1_TP6 | Number of days greater than or equal to 1 PPM: TP6 | NUM | | 0.4 | 0-78 | 24937 | | 24937 | 100.0 |
| THC_ABOVE_3_TP6 | Number of days greater than or equal to 3 PPM: TP6 | NUM | | 0.0 | 0-0 | 24937 | | 24937 | 100.0 |
| THC_ABOVE_5_TP6 | Number of days greater than or equal to 5 PPM: TP6 | NUM | | 0.0 | 0-0 | 24937 | | 24937 | 100.0 |
| THC_ABOVE_10_TP6 | Number of days greater than or equal to 10 PPM: TP6 | NUM | | 0.0 | 0-0 | 24937 | | 24937 | 100.0 |
| THC_ABOVE_1_OVERALL | Number of days greater than or equal to 1 PPM: Overall | NUM | | 31.3 | 0-373 | 24937 | | 24937 | 100.0 |
| THC_ABOVE_3_OVERALL | Number of days greater than or equal to 3 PPM: Overall | NUM | | 7.1 | 0-276 | 24937 | | 24937 | 100.0 |
| THC_ABOVE_5_OVERALL | Number of days greater than or equal to 5 PPM: Overall | NUM | | 0.4 | 0-45 | 24937 | | 24937 | 100.0 |
| THC_ABOVE_10_OVERALL | Number of days greater than or equal to 10 PPM: Overall | NUM | | 0.3 | 0-45 | 24937 | | 24937 | 100.0 |
| BEN_MAX1 | Benzene Maximum exposure on any day of work: Overall | NUM | BEST | 9.7 | 0-63 | 24736 | MISSING | 201 | 0.8 |
| BEN_MAX1_1A | Benzene Maximum exposure on any day of work: TP1A | NUM | BEST | 5.7 | 0-41 | 7040 | MISSING | 17897 | 71.8 |
| BEN_MAX1_1B | Benzene Maximum exposure on any day of work: TP1B | NUM | BEST | 6.9 | 0-41 | 22462 | MISSING | 2475 | 9.9 |
| BEN_MAX1_2 | Benzene Maximum exposure on any day of work: TP2 | NUM | BEST | 7.4 | 0-45 | 19108 | MISSING | 5829 | 23.4 |

DATA SET: quan_exposure_20231013

DATE CREATED: 10/13/2023

Number of Observations: 24937

Number of Variables: 451

Organization of file: One Record per Participant (ID)

| VARIABLE NAME | LABEL (VAR) | TYPE | FORMAT | MEAN | RANGE | N | CATEGORY | FREQUENCY | PERCENT |
|--------------------|---|------|--------|-------|---------|-------|----------|-----------|---------|
| BEN_MAX1_3 | Benzene Maximum exposure on any day of work: TP3 | NUM | BEST | 7.0 | 0-63 | 18731 | MISSING | 6206 | 24.9 |
| BEN_MAX1_4 | Benzene Maximum exposure on any day of work: TP4 | NUM | BEST | 6.1 | 0-48 | 12425 | MISSING | 12512 | 50.2 |
| BEN_MAX1_5 | Benzene Maximum exposure on any day of work: TP5 | NUM | BEST | 3.9 | 0-22 | 5212 | MISSING | 19725 | 79.1 |
| BEN_MAX1_6 | Benzene Maximum exposure on any day of work: TP6 | NUM | BEST | 3.1 | 0-15 | 2940 | MISSING | 21997 | 88.2 |
| BEN_MAX2 | Benzene Maximum average exposure on any day of work: Overall | NUM | BEST | 5.1 | 0-63 | 24736 | MISSING | 201 | 0.8 |
| BEN_MAX2_1A | Benzene Maximum average exposure on any day of work: TP1A | NUM | BEST | 4.0 | 0-41 | 7040 | MISSING | 17897 | 71.8 |
| BEN_MAX2_1B | Benzene Maximum average exposure on any day of work: TP1B | NUM | BEST | 3.9 | 0-41 | 22462 | MISSING | 2475 | 9.9 |
| BEN_MAX2_2 | Benzene Maximum average exposure on any day of work: TP2 | NUM | BEST | 3.4 | 0-45 | 19108 | MISSING | 5829 | 23.4 |
| BEN_MAX2_3 | Benzene Maximum average exposure on any day of work: TP3 | NUM | BEST | 3.5 | 0-63 | 18731 | MISSING | 6206 | 24.9 |
| BEN_MAX2_4 | Benzene Maximum average exposure on any day of work: TP4 | NUM | BEST | 3.2 | 0-48 | 12425 | MISSING | 12512 | 50.2 |
| BEN_MAX2_5 | Benzene Maximum average exposure on any day of work: TP5 | NUM | BEST | 2.3 | 0-22 | 5212 | MISSING | 19725 | 79.1 |
| BEN_MAX2_6 | Benzene Maximum average exposure on any day of work: TP6 | NUM | BEST | 2.2 | 0-15 | 2940 | MISSING | 21997 | 88.2 |
| BEN_CUMULATIVE1 | Benzene Sum of maximum daily exposures across all days of work: Overall | NUM | | 721.2 | 0-10592 | 24736 | MISSING | 201 | 0.8 |
| BEN_CUMULATIVE1_1A | Benzene Sum of maximum daily exposures across all days of work: TP1A | NUM | | 85.6 | 0-505 | 7040 | MISSING | 17897 | 71.8 |
| BEN_CUMULATIVE1_1B | Benzene Sum of maximum daily exposures across all days of work: TP1B | NUM | | 232.0 | 0-1364 | 22462 | MISSING | 2475 | 9.9 |
| BEN_CUMULATIVE1_2 | Benzene Sum of maximum daily exposures across all days of work: TP2 | NUM | | 152.2 | 0-1027 | 19108 | MISSING | 5829 | 23.4 |
| BEN_CUMULATIVE1_3 | Benzene Sum of maximum daily exposures across all days of work: TP3 | NUM | | 211.3 | 0-2751 | 18731 | MISSING | 6206 | 24.9 |
| BEN_CUMULATIVE1_4 | Benzene Sum of maximum daily exposures across all days of work: TP4 | NUM | | 284.0 | 0-3821 | 12425 | MISSING | 12512 | 50.2 |
| BEN_CUMULATIVE1_5 | Benzene Sum of maximum daily exposures across all days of work: TP5 | NUM | | 209.2 | 0-1747 | 5212 | MISSING | 19725 | 79.1 |
| BEN_CUMULATIVE1_6 | Benzene Sum of maximum daily exposures across all days of work: TP6 | NUM | | 183.8 | 0-1131 | 2940 | MISSING | 21997 | 88.2 |
| BEN_CUMULATIVE2 | Benzene Sum of average daily exposures across all days of work: Overall | NUM | | 363.8 | 0-7744 | 24736 | MISSING | 201 | 0.8 |
| BEN_CUMULATIVE2_1A | Benzene Sum of average daily exposures across all days of work: TP1A | NUM | | 57.4 | 0-505 | 7040 | MISSING | 17897 | 71.8 |

DATA SET: quan_exposure_20231013

DATE CREATED: 10/13/2023

Number of Observations: 24937

Number of Variables: 451

Organization of file: One Record per Participant (ID)

| VARIABLE NAME | LABEL (VAR) | TYPE | FORMAT | MEAN | RANGE | N | CATEGORY | FREQUENCY | PERCENT |
|--------------------|--|------|--------|-------|--------|-------|----------|-----------|---------|
| BEN_CUMULATIVE2_1B | Benzene Sum of average daily exposures across all days of work: TP1B | NUM | | 124.6 | 0-1322 | 22462 | MISSING | 2475 | 9.9 |
| BEN_CUMULATIVE2_2 | Benzene Sum of average daily exposures across all days of work: TP2 | NUM | | 67.1 | 0-1025 | 19108 | MISSING | 5829 | 23.4 |
| BEN_CUMULATIVE2_3 | Benzene Sum of average daily exposures across all days of work: TP3 | NUM | | 97.7 | 0-2751 | 18731 | MISSING | 6206 | 24.9 |
| BEN_CUMULATIVE2_4 | Benzene Sum of average daily exposures across all days of work: TP4 | NUM | | 138.1 | 0-3821 | 12425 | MISSING | 12512 | 50.2 |
| BEN_CUMULATIVE2_5 | Benzene Sum of average daily exposures across all days of work: TP5 | NUM | | 115.5 | 0-1747 | 5212 | MISSING | 19725 | 79.1 |
| BEN_CUMULATIVE2_6 | Benzene Sum of average daily exposures across all days of work: TP6 | NUM | | 124.5 | 0-1131 | 2940 | MISSING | 21997 | 88.2 |
| BEN_MEAN1 | Benzene Average of the daily maximum exposures: Overall | NUM | | 5.6 | 0-63 | 24736 | MISSING | 201 | 0.8 |
| BEN_MEAN1_1A | Benzene Average of the daily maximum exposures: TP1A | NUM | | 5.4 | 0-25 | 7040 | MISSING | 17897 | 71.8 |
| BEN_MEAN1_1B | Benzene Average of the daily maximum exposures: TP1B | NUM | | 5.9 | 0-28 | 22462 | MISSING | 2475 | 9.9 |
| BEN_MEAN1_2 | Benzene Average of the daily maximum exposures: TP2 | NUM | | 7.1 | 0-45 | 19108 | MISSING | 5829 | 23.4 |
| BEN_MEAN1_3 | Benzene Average of the daily maximum exposures: TP3 | NUM | | 6.1 | 0-63 | 18731 | MISSING | 6206 | 24.9 |
| BEN_MEAN1_4 | Benzene Average of the daily maximum exposures: TP4 | NUM | | 5.3 | 0-48 | 12425 | MISSING | 12512 | 50.2 |
| BEN_MEAN1_5 | Benzene Average of the daily maximum exposures: TP5 | NUM | | 3.6 | 0-22 | 5212 | MISSING | 19725 | 79.1 |
| BEN_MEAN1_6 | Benzene Average of the daily maximum exposures: TP6 | NUM | | 3.0 | 0-15 | 2940 | MISSING | 21997 | 88.2 |
| BEN_MEAN2 | Benzene Average of the daily average exposures: Overall | NUM | | 3.0 | 0-35 | 24736 | MISSING | 201 | 0.8 |
| BEN_MEAN2_1A | Benzene Average of the daily average exposures: TP1A | NUM | | 3.8 | 0-25 | 7040 | MISSING | 17897 | 71.8 |
| BEN_MEAN2_1B | Benzene Average of the daily average exposures: TP1B | NUM | | 3.3 | 0-28 | 22462 | MISSING | 2475 | 9.9 |
| BEN_MEAN2_2 | Benzene Average of the daily average exposures: TP2 | NUM | | 3.2 | 0-45 | 19108 | MISSING | 5829 | 23.4 |
| BEN_MEAN2_3 | Benzene Average of the daily average exposures: TP3 | NUM | | 3.0 | 0-63 | 18731 | MISSING | 6206 | 24.9 |
| BEN_MEAN2_4 | Benzene Average of the daily average exposures: TP4 | NUM | | 2.7 | 0-48 | 12425 | MISSING | 12512 | 50.2 |
| BEN_MEAN2_5 | Benzene Average of the daily average exposures: TP5 | NUM | | 2.1 | 0-22 | 5212 | MISSING | 19725 | 79.1 |
| BEN_MEAN2_6 | Benzene Average of the daily average exposures: TP6 | NUM | | 2.1 | 0-15 | 2940 | MISSING | 21997 | 88.2 |

DATA SET: quan_exposure_20231013

DATE CREATED: 10/13/2023

Number of Observations: 24937

Number of Variables: 451

Organization of file: One Record per Participant (ID)

| VARIABLE NAME | LABEL (VAR) | TYPE | FORMAT | MEAN | RANGE | N | CATEGORY | FREQUENCY | PERCENT |
|--------------------|---|------|--------|--------|---------|-------|----------|-----------|---------|
| TOL_MAX1 | Toluene Maximum exposure on any day of work: Overall | NUM | BEST | 38.7 | 0-188 | 24736 | MISSING | 201 | 0.8 |
| TOL_MAX1_1A | Toluene Maximum exposure on any day of work: TP1A | NUM | BEST | 33.6 | 0-146 | 7040 | MISSING | 17897 | 71.8 |
| TOL_MAX1_1B | Toluene Maximum exposure on any day of work: TP1B | NUM | BEST | 31.7 | 0-128 | 22462 | MISSING | 2475 | 9.9 |
| TOL_MAX1_2 | Toluene Maximum exposure on any day of work: TP2 | NUM | BEST | 23.6 | 0-188 | 19108 | MISSING | 5829 | 23.4 |
| TOL_MAX1_3 | Toluene Maximum exposure on any day of work: TP3 | NUM | BEST | 20.2 | 0-132 | 18731 | MISSING | 6206 | 24.9 |
| TOL_MAX1_4 | Toluene Maximum exposure on any day of work: TP4 | NUM | BEST | 17.6 | 0-106 | 12425 | MISSING | 12512 | 50.2 |
| TOL_MAX1_5 | Toluene Maximum exposure on any day of work: TP5 | NUM | BEST | 12.2 | 0-66 | 5212 | MISSING | 19725 | 79.1 |
| TOL_MAX1_6 | Toluene Maximum exposure on any day of work: TP6 | NUM | BEST | 9.3 | 0-42 | 2940 | MISSING | 21997 | 88.2 |
| TOL_MAX2 | Toluene Maximum average exposure on any day of work: Overall | NUM | BEST | 20.4 | 0-188 | 24736 | MISSING | 201 | 0.8 |
| TOL_MAX2_1A | Toluene Maximum average exposure on any day of work: TP1A | NUM | BEST | 23.0 | 0-146 | 7040 | MISSING | 17897 | 71.8 |
| TOL_MAX2_1B | Toluene Maximum average exposure on any day of work: TP1B | NUM | BEST | 16.6 | 0-126 | 22462 | MISSING | 2475 | 9.9 |
| TOL_MAX2_2 | Toluene Maximum average exposure on any day of work: TP2 | NUM | BEST | 11.4 | 0-188 | 19108 | MISSING | 5829 | 23.4 |
| TOL_MAX2_3 | Toluene Maximum average exposure on any day of work: TP3 | NUM | BEST | 10.1 | 0-132 | 18731 | MISSING | 6206 | 24.9 |
| TOL_MAX2_4 | Toluene Maximum average exposure on any day of work: TP4 | NUM | BEST | 9.4 | 0-106 | 12425 | MISSING | 12512 | 50.2 |
| TOL_MAX2_5 | Toluene Maximum average exposure on any day of work: TP5 | NUM | BEST | 7.2 | 0-66 | 5212 | MISSING | 19725 | 79.1 |
| TOL_MAX2_6 | Toluene Maximum average exposure on any day of work: TP6 | NUM | BEST | 6.3 | 0-42 | 2940 | MISSING | 21997 | 88.2 |
| TOL_CUMULATIVE1 | Toluene Sum of maximum daily exposures across all days of work: Overall | NUM | | 2544.9 | 0-29657 | 24736 | MISSING | 201 | 0.8 |
| TOL_CUMULATIVE1_1A | Toluene Sum of maximum daily exposures across all days of work: TP1A | NUM | | 502.0 | 0-3362 | 7040 | MISSING | 17897 | 71.8 |
| TOL_CUMULATIVE1_1B | Toluene Sum of maximum daily exposures across all days of work: TP1B | NUM | | 1048.9 | 0-6933 | 22462 | MISSING | 2475 | 9.9 |
| TOL_CUMULATIVE1_2 | Toluene Sum of maximum daily exposures across all days of work: TP2 | NUM | | 483.9 | 1-3323 | 19108 | MISSING | 5829 | 23.4 |
| TOL_CUMULATIVE1_3 | Toluene Sum of maximum daily exposures across all days of work: TP3 | NUM | | 613.6 | 0-5816 | 18731 | MISSING | 6206 | 24.9 |
| TOL_CUMULATIVE1_4 | Toluene Sum of maximum daily exposures across all days of work: TP4 | NUM | | 814.3 | 0-8410 | 12425 | MISSING | 12512 | 50.2 |

DATA SET: quan_exposure_20231013

DATE CREATED: 10/13/2023

Number of Observations: 24937

Number of Variables: 451

Organization of file: One Record per Participant (ID)

| VARIABLE NAME | LABEL (VAR) | TYPE | FORMAT | MEAN | RANGE | N | CATEGORY | FREQUENCY | PERCENT |
|--------------------|---|------|--------|--------|---------|-------|----------|-----------|---------|
| TOL_CUMULATIVE1_5 | Toluene Sum of maximum daily exposures across all days of work: TP5 | NUM | | 652.1 | 0-5125 | 5212 | MISSING | 19725 | 79.1 |
| TOL_CUMULATIVE1_6 | Toluene Sum of maximum daily exposures across all days of work: TP6 | NUM | | 543.9 | 0-3314 | 2940 | MISSING | 21997 | 88.2 |
| TOL_CUMULATIVE2 | Toluene Sum of average daily exposures across all days of work: Overall | NUM | | 1275.6 | 0-18068 | 24736 | MISSING | 201 | 0.8 |
| TOL_CUMULATIVE2_1A | Toluene Sum of average daily exposures across all days of work: TP1A | NUM | | 323.6 | 0-3362 | 7040 | MISSING | 17897 | 71.8 |
| TOL_CUMULATIVE2_1B | Toluene Sum of average daily exposures across all days of work: TP1B | NUM | | 515.9 | 0-6602 | 22462 | MISSING | 2475 | 9.9 |
| TOL_CUMULATIVE2_2 | Toluene Sum of average daily exposures across all days of work: TP2 | NUM | | 224.2 | 1-3323 | 19108 | MISSING | 5829 | 23.4 |
| TOL_CUMULATIVE2_3 | Toluene Sum of average daily exposures across all days of work: TP3 | NUM | | 290.2 | 0-5614 | 18731 | MISSING | 6206 | 24.9 |
| TOL_CUMULATIVE2_4 | Toluene Sum of average daily exposures across all days of work: TP4 | NUM | | 404.4 | 0-8410 | 12425 | MISSING | 12512 | 50.2 |
| TOL_CUMULATIVE2_5 | Toluene Sum of average daily exposures across all days of work: TP5 | NUM | | 366.5 | 0-5060 | 5212 | MISSING | 19725 | 79.1 |
| TOL_CUMULATIVE2_6 | Toluene Sum of average daily exposures across all days of work: TP6 | NUM | | 351.6 | 0-3314 | 2940 | MISSING | 21997 | 88.2 |
| TOL_MEAN1 | Toluene Average of the daily maximum exposures: Overall | NUM | | 20.8 | 0-138 | 24736 | MISSING | 201 | 0.8 |
| TOL_MEAN1_1A | Toluene Average of the daily maximum exposures: TP1A | NUM | | 32.0 | 0-146 | 7040 | MISSING | 17897 | 71.8 |
| TOL_MEAN1_1B | Toluene Average of the daily maximum exposures: TP1B | NUM | | 26.4 | 0-128 | 22462 | MISSING | 2475 | 9.9 |
| TOL_MEAN1_2 | Toluene Average of the daily maximum exposures: TP2 | NUM | | 22.8 | 0-188 | 19108 | MISSING | 5829 | 23.4 |
| TOL_MEAN1_3 | Toluene Average of the daily maximum exposures: TP3 | NUM | | 17.7 | 0-132 | 18731 | MISSING | 6206 | 24.9 |
| TOL_MEAN1_4 | Toluene Average of the daily maximum exposures: TP4 | NUM | | 15.2 | 0-106 | 12425 | MISSING | 12512 | 50.2 |
| TOL_MEAN1_5 | Toluene Average of the daily maximum exposures: TP5 | NUM | | 11.3 | 0-66 | 5212 | MISSING | 19725 | 79.1 |
| TOL_MEAN1_6 | Toluene Average of the daily maximum exposures: TP6 | NUM | | 8.9 | 0-42 | 2940 | MISSING | 21997 | 88.2 |
| TOL_MEAN2 | Toluene Average of the daily average exposures: Overall | NUM | | 11.2 | 0-138 | 24736 | MISSING | 201 | 0.8 |
| TOL_MEAN2_1A | Toluene Average of the daily average exposures: TP1A | NUM | | 21.8 | 0-146 | 7040 | MISSING | 17897 | 71.8 |
| TOL_MEAN2_1B | Toluene Average of the daily average exposures: TP1B | NUM | | 13.6 | 0-126 | 22462 | MISSING | 2475 | 9.9 |
| TOL_MEAN2_2 | Toluene Average of the daily average exposures: TP2 | NUM | | 10.9 | 0-188 | 19108 | MISSING | 5829 | 23.4 |

DATA SET: quan_exposure_20231013

DATE CREATED: 10/13/2023

Number of Observations: 24937

Number of Variables: 451

Organization of file: One Record per Participant (ID)

| VARIABLE NAME | LABEL (VAR) | TYPE | FORMAT | MEAN | RANGE | N | CATEGORY | FREQUENCY | PERCENT |
|--------------------|--|------|--------|-------|--------|-------|----------|-----------|---------|
| TOL_MEAN2_3 | Toluene Average of the daily average exposures: TP3 | NUM | | 8.8 | 0-128 | 18731 | MISSING | 6206 | 24.9 |
| TOL_MEAN2_4 | Toluene Average of the daily average exposures: TP4 | NUM | | 8.1 | 0-106 | 12425 | MISSING | 12512 | 50.2 |
| TOL_MEAN2_5 | Toluene Average of the daily average exposures: TP5 | NUM | | 6.6 | 0-66 | 5212 | MISSING | 19725 | 79.1 |
| TOL_MEAN2_6 | Toluene Average of the daily average exposures: TP6 | NUM | | 6.0 | 0-42 | 2940 | MISSING | 21997 | 88.2 |
| EBZ_MAX1 | Ethylbenzene Maximum exposure on any day of work: Overall | NUM | BEST | 9.2 | 0-137 | 24736 | MISSING | 201 | 0.8 |
| EBZ_MAX1_1A | Ethylbenzene Maximum exposure on any day of work: TP1A | NUM | BEST | 10.6 | 0-137 | 7040 | MISSING | 17897 | 71.8 |
| EBZ_MAX1_1B | Ethylbenzene Maximum exposure on any day of work: TP1B | NUM | BEST | 6.3 | 0-137 | 22462 | MISSING | 2475 | 9.9 |
| EBZ_MAX1_2 | Ethylbenzene Maximum exposure on any day of work: TP2 | NUM | BEST | 6.1 | 0-56 | 19108 | MISSING | 5829 | 23.4 |
| EBZ_MAX1_3 | Ethylbenzene Maximum exposure on any day of work: TP3 | NUM | BEST | 4.5 | 0-116 | 18731 | MISSING | 6206 | 24.9 |
| EBZ_MAX1_4 | Ethylbenzene Maximum exposure on any day of work: TP4 | NUM | BEST | 3.5 | 0-13 | 12425 | MISSING | 12512 | 50.2 |
| EBZ_MAX1_5 | Ethylbenzene Maximum exposure on any day of work: TP5 | NUM | BEST | 1.9 | 0-8 | 5212 | MISSING | 19725 | 79.1 |
| EBZ_MAX1_6 | Ethylbenzene Maximum exposure on any day of work: TP6 | NUM | BEST | 1.8 | 0-8 | 2940 | MISSING | 21997 | 88.2 |
| EBZ_MAX2 | Ethylbenzene Maximum average exposure on any day of work: Overall | NUM | BEST | 4.6 | 0-137 | 24736 | MISSING | 201 | 0.8 |
| EBZ_MAX2_1A | Ethylbenzene Maximum average exposure on any day of work: TP1A | NUM | BEST | 6.1 | 0-137 | 7040 | MISSING | 17897 | 71.8 |
| EBZ_MAX2_1B | Ethylbenzene Maximum average exposure on any day of work: TP1B | NUM | BEST | 3.2 | 0-137 | 22462 | MISSING | 2475 | 9.9 |
| EBZ_MAX2_2 | Ethylbenzene Maximum average exposure on any day of work: TP2 | NUM | BEST | 2.7 | 0-56 | 19108 | MISSING | 5829 | 23.4 |
| EBZ_MAX2_3 | Ethylbenzene Maximum average exposure on any day of work: TP3 | NUM | BEST | 2.4 | 0-116 | 18731 | MISSING | 6206 | 24.9 |
| EBZ_MAX2_4 | Ethylbenzene Maximum average exposure on any day of work: TP4 | NUM | BEST | 2.1 | 0-13 | 12425 | MISSING | 12512 | 50.2 |
| EBZ_MAX2_5 | Ethylbenzene Maximum average exposure on any day of work: TP5 | NUM | BEST | 1.3 | 0-8 | 5212 | MISSING | 19725 | 79.1 |
| EBZ_MAX2_6 | Ethylbenzene Maximum average exposure on any day of work: TP6 | NUM | BEST | 1.3 | 0-8 | 2940 | MISSING | 21997 | 88.2 |
| EBZ_CUMULATIVE1 | Ethylbenzene Sum of maximum daily exposures across all days of work: Overall | NUM | | 541.8 | 0-8278 | 24736 | MISSING | 201 | 0.8 |
| EBZ_CUMULATIVE1_1A | Ethylbenzene Sum of maximum daily exposures across all days of work: TP1A | NUM | | 159.2 | 0-2617 | 7040 | MISSING | 17897 | 71.8 |

DATA SET: quan_exposure_20231013

DATE CREATED: 10/13/2023

Number of Observations: 24937

Number of Variables: 451

Organization of file: One Record per Participant (ID)

| VARIABLE NAME | LABEL (VAR) | TYPE | FORMAT | MEAN | RANGE | N | CATEGORY | FREQUENCY | PERCENT |
|--------------------|--|------|--------|-------|--------|-------|----------|-----------|---------|
| EBZ_CUMULATIVE1_1B | Ethylbenzene Sum of maximum daily exposures across all days of work: TP1B | NUM | | 202.2 | 0-5481 | 22462 | MISSING | 2475 | 9.9 |
| EBZ_CUMULATIVE1_2 | Ethylbenzene Sum of maximum daily exposures across all days of work: TP2 | NUM | | 124.4 | 0-1129 | 19108 | MISSING | 5829 | 23.4 |
| EBZ_CUMULATIVE1_3 | Ethylbenzene Sum of maximum daily exposures across all days of work: TP3 | NUM | | 135.6 | 0-1703 | 18731 | MISSING | 6206 | 24.9 |
| EBZ_CUMULATIVE1_4 | Ethylbenzene Sum of maximum daily exposures across all days of work: TP4 | NUM | | 158.8 | 0-998 | 12425 | MISSING | 12512 | 50.2 |
| EBZ_CUMULATIVE1_5 | Ethylbenzene Sum of maximum daily exposures across all days of work: TP5 | NUM | | 104.4 | 0-601 | 5212 | MISSING | 19725 | 79.1 |
| EBZ_CUMULATIVE1_6 | Ethylbenzene Sum of maximum daily exposures across all days of work: TP6 | NUM | | 103.5 | 0-601 | 2940 | MISSING | 21997 | 88.2 |
| EBZ_CUMULATIVE2 | Ethylbenzene Sum of average daily exposures across all days of work: Overall | NUM | | 273.0 | 0-8226 | 24736 | MISSING | 201 | 0.8 |
| EBZ_CUMULATIVE2_1A | Ethylbenzene Sum of average daily exposures across all days of work: TP1A | NUM | | 85.5 | 0-2611 | 7040 | MISSING | 17897 | 71.8 |
| EBZ_CUMULATIVE2_1B | Ethylbenzene Sum of average daily exposures across all days of work: TP1B | NUM | | 97.3 | 0-5481 | 22462 | MISSING | 2475 | 9.9 |
| EBZ_CUMULATIVE2_2 | Ethylbenzene Sum of average daily exposures across all days of work: TP2 | NUM | | 53.1 | 0-1129 | 19108 | MISSING | 5829 | 23.4 |
| EBZ_CUMULATIVE2_3 | Ethylbenzene Sum of average daily exposures across all days of work: TP3 | NUM | | 67.8 | 0-1668 | 18731 | MISSING | 6206 | 24.9 |
| EBZ_CUMULATIVE2_4 | Ethylbenzene Sum of average daily exposures across all days of work: TP4 | NUM | | 89.2 | 0-998 | 12425 | MISSING | 12512 | 50.2 |
| EBZ_CUMULATIVE2_5 | Ethylbenzene Sum of average daily exposures across all days of work: TP5 | NUM | | 68.7 | 0-601 | 5212 | MISSING | 19725 | 79.1 |
| EBZ_CUMULATIVE2_6 | Ethylbenzene Sum of average daily exposures across all days of work: TP6 | NUM | | 72.2 | 0-601 | 2940 | MISSING | 21997 | 88.2 |
| EBZ_MEAN1 | Ethylbenzene Average of the daily maximum exposures: Overall | NUM | | 4.5 | 0-97 | 24736 | MISSING | 201 | 0.8 |
| EBZ_MEAN1_1A | Ethylbenzene Average of the daily maximum exposures: TP1A | NUM | | 9.8 | 0-137 | 7040 | MISSING | 17897 | 71.8 |
| EBZ_MEAN1_1B | Ethylbenzene Average of the daily maximum exposures: TP1B | NUM | | 5.1 | 0-137 | 22462 | MISSING | 2475 | 9.9 |
| EBZ_MEAN1_2 | Ethylbenzene Average of the daily maximum exposures: TP2 | NUM | | 5.9 | 0-51 | 19108 | MISSING | 5829 | 23.4 |
| EBZ_MEAN1_3 | Ethylbenzene Average of the daily maximum exposures: TP3 | NUM | | 3.9 | 0-90 | 18731 | MISSING | 6206 | 24.9 |
| EBZ_MEAN1_4 | Ethylbenzene Average of the daily maximum exposures: TP4 | NUM | | 3.0 | 0-13 | 12425 | MISSING | 12512 | 50.2 |
| EBZ_MEAN1_5 | Ethylbenzene Average of the daily maximum exposures: TP5 | NUM | | 1.8 | 0-8 | 5212 | MISSING | 19725 | 79.1 |
| EBZ_MEAN1_6 | Ethylbenzene Average of the daily maximum exposures: TP6 | NUM | | 1.7 | 0-8 | 2940 | MISSING | 21997 | 88.2 |

DATA SET: quan_exposure_20231013

DATE CREATED: 10/13/2023

Number of Observations: 24937

Number of Variables: 451

Organization of file: One Record per Participant (ID)

| VARIABLE NAME | LABEL (VAR) | TYPE | FORMAT | MEAN | RANGE | N | CATEGORY | FREQUENCY | PERCENT |
|---------------|--|------|--------|------|-------|-------|----------|-----------|---------|
| EBZ_MEAN2 | Ethylbenzene Average of the daily average exposures: Overall | NUM | | 2.4 | 0-97 | 24736 | MISSING | 201 | 0.8 |
| EBZ_MEAN2_1A | Ethylbenzene Average of the daily average exposures: TP1A | NUM | | 5.6 | 0-137 | 7040 | MISSING | 17897 | 71.8 |
| EBZ_MEAN2_1B | Ethylbenzene Average of the daily average exposures: TP1B | NUM | | 2.6 | 0-137 | 22462 | MISSING | 2475 | 9.9 |
| EBZ_MEAN2_2 | Ethylbenzene Average of the daily average exposures: TP2 | NUM | | 2.6 | 0-51 | 19108 | MISSING | 5829 | 23.4 |
| EBZ_MEAN2_3 | Ethylbenzene Average of the daily average exposures: TP3 | NUM | | 2.1 | 0-88 | 18731 | MISSING | 6206 | 24.9 |
| EBZ_MEAN2_4 | Ethylbenzene Average of the daily average exposures: TP4 | NUM | | 1.8 | 0-13 | 12425 | MISSING | 12512 | 50.2 |
| EBZ_MEAN2_5 | Ethylbenzene Average of the daily average exposures: TP5 | NUM | | 1.2 | 0-8 | 5212 | MISSING | 19725 | 79.1 |
| EBZ_MEAN2_6 | Ethylbenzene Average of the daily average exposures: TP6 | NUM | | 1.2 | 0-8 | 2940 | MISSING | 21997 | 88.2 |
| XYL_MAX1 | Xylene Maximum exposure on any day of work: Overall | NUM | BEST | 44.3 | 0-445 | 24736 | MISSING | 201 | 0.8 |
| XYL_MAX1_1A | Xylene Maximum exposure on any day of work: TP1A | NUM | BEST | 46.0 | 2-405 | 7040 | MISSING | 17897 | 71.8 |
| XYL_MAX1_1B | Xylene Maximum exposure on any day of work: TP1B | NUM | BEST | 33.1 | 2-405 | 22462 | MISSING | 2475 | 9.9 |
| XYL_MAX1_2 | Xylene Maximum exposure on any day of work: TP2 | NUM | BEST | 32.1 | 2-251 | 19108 | MISSING | 5829 | 23.4 |
| XYL_MAX1_3 | Xylene Maximum exposure on any day of work: TP3 | NUM | BEST | 23.3 | 1-445 | 18731 | MISSING | 6206 | 24.9 |
| XYL_MAX1_4 | Xylene Maximum exposure on any day of work: TP4 | NUM | BEST | 18.2 | 1-75 | 12425 | MISSING | 12512 | 50.2 |
| XYL_MAX1_5 | Xylene Maximum exposure on any day of work: TP5 | NUM | BEST | 13.6 | 2-41 | 5212 | MISSING | 19725 | 79.1 |
| XYL_MAX1_6 | Xylene Maximum exposure on any day of work: TP6 | NUM | BEST | 10.4 | 0-41 | 2940 | MISSING | 21997 | 88.2 |
| XYL_MAX2 | Xylene Maximum average exposure on any day of work: Overall | NUM | BEST | 25.1 | 0-445 | 24736 | MISSING | 201 | 0.8 |
| XYL_MAX2_1A | Xylene Maximum average exposure on any day of work: TP1A | NUM | BEST | 29.2 | 2-405 | 7040 | MISSING | 17897 | 71.8 |
| XYL_MAX2_1B | Xylene Maximum average exposure on any day of work: TP1B | NUM | BEST | 20.2 | 2-405 | 22462 | MISSING | 2475 | 9.9 |
| XYL_MAX2_2 | Xylene Maximum average exposure on any day of work: TP2 | NUM | BEST | 17.9 | 2-251 | 19108 | MISSING | 5829 | 23.4 |
| XYL_MAX2_3 | Xylene Maximum average exposure on any day of work: TP3 | NUM | BEST | 13.5 | 1-445 | 18731 | MISSING | 6206 | 24.9 |
| XYL_MAX2_4 | Xylene Maximum average exposure on any day of work: TP4 | NUM | BEST | 12.1 | 1-75 | 12425 | MISSING | 12512 | 50.2 |

DATA SET: quan_exposure_20231013

DATE CREATED: 10/13/2023

Number of Observations: 24937

Number of Variables: 451

Organization of file: One Record per Participant (ID)

| VARIABLE NAME | LABEL (VAR) | TYPE | FORMAT | MEAN | RANGE | N | CATEGORY | FREQUENCY | PERCENT |
|--------------------|--|------|--------|--------|---------|-------|----------|-----------|---------|
| XYL_MAX2_5 | Xylene Maximum average exposure on any day of work: TP5 | NUM | BEST | 10.7 | 2-41 | 5212 | MISSING | 19725 | 79.1 |
| XYL_MAX2_6 | Xylene Maximum average exposure on any day of work: TP6 | NUM | BEST | 7.7 | 0-41 | 2940 | MISSING | 21997 | 88.2 |
| XYL_CUMULATIVE1 | Xylene Sum of maximum daily exposures across all days of work: Overall | NUM | | 2898.4 | 2-24936 | 24736 | MISSING | 201 | 0.8 |
| XYL_CUMULATIVE1_1A | Xylene Sum of maximum daily exposures across all days of work: TP1A | NUM | | 707.5 | 4-8787 | 7040 | MISSING | 17897 | 71.8 |
| XYL_CUMULATIVE1_1B | Xylene Sum of maximum daily exposures across all days of work: TP1B | NUM | | 1091.3 | 2-16216 | 22462 | MISSING | 2475 | 9.9 |
| XYL_CUMULATIVE1_2 | Xylene Sum of maximum daily exposures across all days of work: TP2 | NUM | | 654.1 | 3-4422 | 19108 | MISSING | 5829 | 23.4 |
| XYL_CUMULATIVE1_3 | Xylene Sum of maximum daily exposures across all days of work: TP3 | NUM | | 709.9 | 3-6573 | 18731 | MISSING | 6206 | 24.9 |
| XYL_CUMULATIVE1_4 | Xylene Sum of maximum daily exposures across all days of work: TP4 | NUM | | 860.2 | 2-5891 | 12425 | MISSING | 12512 | 50.2 |
| XYL_CUMULATIVE1_5 | Xylene Sum of maximum daily exposures across all days of work: TP5 | NUM | | 750.9 | 4-3201 | 5212 | MISSING | 19725 | 79.1 |
| XYL_CUMULATIVE1_6 | Xylene Sum of maximum daily exposures across all days of work: TP6 | NUM | | 614.0 | 1-3201 | 2940 | MISSING | 21997 | 88.2 |
| XYL_CUMULATIVE2 | Xylene Sum of average daily exposures across all days of work: Overall | NUM | | 1731.8 | 2-24413 | 24736 | MISSING | 201 | 0.8 |
| XYL_CUMULATIVE2_1A | Xylene Sum of average daily exposures across all days of work: TP1A | NUM | | 421.6 | 4-8787 | 7040 | MISSING | 17897 | 71.8 |
| XYL_CUMULATIVE2_1B | Xylene Sum of average daily exposures across all days of work: TP1B | NUM | | 651.2 | 2-16216 | 22462 | MISSING | 2475 | 9.9 |
| XYL_CUMULATIVE2_2 | Xylene Sum of average daily exposures across all days of work: TP2 | NUM | | 356.5 | 3-4324 | 19108 | MISSING | 5829 | 23.4 |
| XYL_CUMULATIVE2_3 | Xylene Sum of average daily exposures across all days of work: TP3 | NUM | | 389.7 | 3-6442 | 18731 | MISSING | 6206 | 24.9 |
| XYL_CUMULATIVE2_4 | Xylene Sum of average daily exposures across all days of work: TP4 | NUM | | 549.4 | 2-5891 | 12425 | MISSING | 12512 | 50.2 |
| XYL_CUMULATIVE2_5 | Xylene Sum of average daily exposures across all days of work: TP5 | NUM | | 579.1 | 4-3201 | 5212 | MISSING | 19725 | 79.1 |
| XYL_CUMULATIVE2_6 | Xylene Sum of average daily exposures across all days of work: TP6 | NUM | | 437.3 | 1-3201 | 2940 | MISSING | 21997 | 88.2 |
| XYL_MEAN1 | Xylene Average of the daily maximum exposures: Overall | NUM | | 24.4 | 0-335 | 24736 | MISSING | 201 | 0.8 |
| XYL_MEAN1_1A | Xylene Average of the daily maximum exposures: TP1A | NUM | | 43.2 | 2-405 | 7040 | MISSING | 17897 | 71.8 |
| XYL_MEAN1_1B | Xylene Average of the daily maximum exposures: TP1B | NUM | | 28.2 | 2-405 | 22462 | MISSING | 2475 | 9.9 |
| XYL_MEAN1_2 | Xylene Average of the daily maximum exposures: TP2 | NUM | | 31.0 | 2-177 | 19108 | MISSING | 5829 | 23.4 |

DATA SET: quan_exposure_20231013

DATE CREATED: 10/13/2023

Number of Observations: 24937

Number of Variables: 451

Organization of file: One Record per Participant (ID)

| VARIABLE NAME | LABEL (VAR) | TYPE | FORMAT | MEAN | RANGE | N | CATEGORY | FREQUENCY | PERCENT |
|---------------|---|------|--------|-------|--------|-------|----------|-----------|---------|
| XYL_MEAN1_3 | Xylene Average of the daily maximum exposures: TP3 | NUM | | 20.7 | 1-346 | 18731 | MISSING | 6206 | 24.9 |
| XYL_MEAN1_4 | Xylene Average of the daily maximum exposures: TP4 | NUM | | 16.3 | 1-75 | 12425 | MISSING | 12512 | 50.2 |
| XYL_MEAN1_5 | Xylene Average of the daily maximum exposures: TP5 | NUM | | 13.1 | 2-41 | 5212 | MISSING | 19725 | 79.1 |
| XYL_MEAN1_6 | Xylene Average of the daily maximum exposures: TP6 | NUM | | 10.0 | 0-41 | 2940 | MISSING | 21997 | 88.2 |
| XYL_MEAN2 | Xylene Average of the daily average exposures: Overall | NUM | | 15.2 | 0-335 | 24736 | MISSING | 201 | 0.8 |
| XYL_MEAN2_1A | Xylene Average of the daily average exposures: TP1A | NUM | | 27.5 | 2-405 | 7040 | MISSING | 17897 | 71.8 |
| XYL_MEAN2_1B | Xylene Average of the daily average exposures: TP1B | NUM | | 17.5 | 2-405 | 22462 | MISSING | 2475 | 9.9 |
| XYL_MEAN2_2 | Xylene Average of the daily average exposures: TP2 | NUM | | 17.3 | 2-173 | 19108 | MISSING | 5829 | 23.4 |
| XYL_MEAN2_3 | Xylene Average of the daily average exposures: TP3 | NUM | | 11.9 | 1-339 | 18731 | MISSING | 6206 | 24.9 |
| XYL_MEAN2_4 | Xylene Average of the daily average exposures: TP4 | NUM | | 10.9 | 1-75 | 12425 | MISSING | 12512 | 50.2 |
| XYL_MEAN2_5 | Xylene Average of the daily average exposures: TP5 | NUM | | 10.3 | 2-41 | 5212 | MISSING | 19725 | 79.1 |
| XYL_MEAN2_6 | Xylene Average of the daily average exposures: TP6 | NUM | | 7.4 | 0-41 | 2940 | MISSING | 21997 | 88.2 |
| HEX_MAX1 | Hexane Maximum exposure on any day of work: Overall | NUM | BEST | 88.3 | 0-2441 | 24736 | MISSING | 201 | 0.8 |
| HEX_MAX1_1A | Hexane Maximum exposure on any day of work: TP1A | NUM | BEST | 172.4 | 0-2441 | 7040 | MISSING | 17897 | 71.8 |
| HEX_MAX1_1B | Hexane Maximum exposure on any day of work: TP1B | NUM | BEST | 52.2 | 0-708 | 22462 | MISSING | 2475 | 9.9 |
| HEX_MAX1_2 | Hexane Maximum exposure on any day of work: TP2 | NUM | BEST | 12.2 | 0-153 | 19108 | MISSING | 5829 | 23.4 |
| HEX_MAX1_3 | Hexane Maximum exposure on any day of work: TP3 | NUM | BEST | 11.5 | 0-131 | 18731 | MISSING | 6206 | 24.9 |
| HEX_MAX1_4 | Hexane Maximum exposure on any day of work: TP4 | NUM | BEST | 10.9 | 0-119 | 12425 | MISSING | 12512 | 50.2 |
| HEX_MAX1_5 | Hexane Maximum exposure on any day of work: TP5 | NUM | BEST | 7.2 | 0-82 | 5212 | MISSING | 19725 | 79.1 |
| HEX_MAX1_6 | Hexane Maximum exposure on any day of work: TP6 | NUM | BEST | 6.9 | 0-82 | 2940 | MISSING | 21997 | 88.2 |
| HEX_MAX2 | Hexane Maximum average exposure on any day of work: Overall | NUM | BEST | 40.1 | 0-2441 | 24736 | MISSING | 201 | 0.8 |
| HEX_MAX2_1A | Hexane Maximum average exposure on any day of work: TP1A | NUM | BEST | 81.7 | 0-2441 | 7040 | MISSING | 17897 | 71.8 |

DATA SET: quan_exposure_20231013

DATE CREATED: 10/13/2023

Number of Observations: 24937

Number of Variables: 451

Organization of file: One Record per Participant (ID)

| VARIABLE NAME | LABEL (VAR) | TYPE | FORMAT | MEAN | RANGE | N | CATEGORY | FREQUENCY | PERCENT |
|--------------------|--|------|--------|--------|---------|-------|----------|-----------|---------|
| HEX_MAX2_1B | Hexane Maximum average exposure on any day of work: TP1B | NUM | BEST | 24.0 | 0-708 | 22462 | MISSING | 2475 | 9.9 |
| HEX_MAX2_2 | Hexane Maximum average exposure on any day of work: TP2 | NUM | BEST | 3.7 | 0-153 | 19108 | MISSING | 5829 | 23.4 |
| HEX_MAX2_3 | Hexane Maximum average exposure on any day of work: TP3 | NUM | BEST | 3.5 | 0-131 | 18731 | MISSING | 6206 | 24.9 |
| HEX_MAX2_4 | Hexane Maximum average exposure on any day of work: TP4 | NUM | BEST | 3.5 | 0-119 | 12425 | MISSING | 12512 | 50.2 |
| HEX_MAX2_5 | Hexane Maximum average exposure on any day of work: TP5 | NUM | BEST | 2.8 | 0-82 | 5212 | MISSING | 19725 | 79.1 |
| HEX_MAX2_6 | Hexane Maximum average exposure on any day of work: TP6 | NUM | BEST | 3.4 | 0-82 | 2940 | MISSING | 21997 | 88.2 |
| HEX_CUMULATIVE1 | Hexane Sum of maximum daily exposures across all days of work: Overall | NUM | | 2993.7 | 0-90157 | 24736 | MISSING | 201 | 0.8 |
| HEX_CUMULATIVE1_1A | Hexane Sum of maximum daily exposures across all days of work: TP1A | NUM | | 2728.8 | 0-56142 | 7040 | MISSING | 17897 | 71.8 |
| HEX_CUMULATIVE1_1B | Hexane Sum of maximum daily exposures across all days of work: TP1B | NUM | | 1532.4 | 0-24785 | 22462 | MISSING | 2475 | 9.9 |
| HEX_CUMULATIVE1_2 | Hexane Sum of maximum daily exposures across all days of work: TP2 | NUM | | 252.8 | 0-3516 | 19108 | MISSING | 5829 | 23.4 |
| HEX_CUMULATIVE1_3 | Hexane Sum of maximum daily exposures across all days of work: TP3 | NUM | | 339.9 | 0-5752 | 18731 | MISSING | 6206 | 24.9 |
| HEX_CUMULATIVE1_4 | Hexane Sum of maximum daily exposures across all days of work: TP4 | NUM | | 487.7 | 0-9402 | 12425 | MISSING | 12512 | 50.2 |
| HEX_CUMULATIVE1_5 | Hexane Sum of maximum daily exposures across all days of work: TP5 | NUM | | 391.1 | 0-6373 | 5212 | MISSING | 19725 | 79.1 |
| HEX_CUMULATIVE1_6 | Hexane Sum of maximum daily exposures across all days of work: TP6 | NUM | | 381.7 | 0-6373 | 2940 | MISSING | 21997 | 88.2 |
| HEX_CUMULATIVE2 | Hexane Sum of average daily exposures across all days of work: Overall | NUM | | 1183.3 | 0-62717 | 24736 | MISSING | 201 | 0.8 |
| HEX_CUMULATIVE2_1A | Hexane Sum of average daily exposures across all days of work: TP1A | NUM | | 1169.4 | 0-56142 | 7040 | MISSING | 17897 | 71.8 |
| HEX_CUMULATIVE2_1B | Hexane Sum of average daily exposures across all days of work: TP1B | NUM | | 666.0 | 0-24785 | 22462 | MISSING | 2475 | 9.9 |
| HEX_CUMULATIVE2_2 | Hexane Sum of average daily exposures across all days of work: TP2 | NUM | | 71.9 | 0-3514 | 19108 | MISSING | 5829 | 23.4 |
| HEX_CUMULATIVE2_3 | Hexane Sum of average daily exposures across all days of work: TP3 | NUM | | 94.5 | 0-5752 | 18731 | MISSING | 6206 | 24.9 |
| HEX_CUMULATIVE2_4 | Hexane Sum of average daily exposures across all days of work: TP4 | NUM | | 139.8 | 0-9402 | 12425 | MISSING | 12512 | 50.2 |
| HEX_CUMULATIVE2_5 | Hexane Sum of average daily exposures across all days of work: TP5 | NUM | | 136.4 | 0-6373 | 5212 | MISSING | 19725 | 79.1 |
| HEX_CUMULATIVE2_6 | Hexane Sum of average daily exposures across all days of work: TP6 | NUM | | 166.1 | 0-6373 | 2940 | MISSING | 21997 | 88.2 |

DATA SET: quan_exposure_20231013

DATE CREATED: 10/13/2023

Number of Observations: 24937

Number of Variables: 451

Organization of file: One Record per Participant (ID)

| VARIABLE NAME | LABEL (VAR) | TYPE | FORMAT | MEAN | RANGE | N | CATEGORY | FREQUENCY | PERCENT |
|----------------|---|------|-------------|-------|--------|-------|------------------------------|-----------|---------|
| HEX_MEAN1 | Hexane Average of the daily maximum exposures: Overall | NUM | | 27.0 | 0-2414 | 24736 | MISSING | 201 | 0.8 |
| HEX_MEAN1_1A | Hexane Average of the daily maximum exposures: TP1A | NUM | | 156.8 | 0-2441 | 7040 | MISSING | 17897 | 71.8 |
| HEX_MEAN1_1B | Hexane Average of the daily maximum exposures: TP1B | NUM | | 38.8 | 0-708 | 22462 | MISSING | 2475 | 9.9 |
| HEX_MEAN1_2 | Hexane Average of the daily maximum exposures: TP2 | NUM | | 11.7 | 0-153 | 19108 | MISSING | 5829 | 23.4 |
| HEX_MEAN1_3 | Hexane Average of the daily maximum exposures: TP3 | NUM | | 9.4 | 0-131 | 18731 | MISSING | 6206 | 24.9 |
| HEX_MEAN1_4 | Hexane Average of the daily maximum exposures: TP4 | NUM | | 8.8 | 0-119 | 12425 | MISSING | 12512 | 50.2 |
| HEX_MEAN1_5 | Hexane Average of the daily maximum exposures: TP5 | NUM | | 6.5 | 0-82 | 5212 | MISSING | 19725 | 79.1 |
| HEX_MEAN1_6 | Hexane Average of the daily maximum exposures: TP6 | NUM | | 6.3 | 0-82 | 2940 | MISSING | 21997 | 88.2 |
| HEX_MEAN2 | Hexane Average of the daily average exposures: Overall | NUM | | 12.2 | 0-2414 | 24736 | MISSING | 201 | 0.8 |
| HEX_MEAN2_1A | Hexane Average of the daily average exposures: TP1A | NUM | | 72.8 | 0-2441 | 7040 | MISSING | 17897 | 71.8 |
| HEX_MEAN2_1B | Hexane Average of the daily average exposures: TP1B | NUM | | 18.2 | 0-708 | 22462 | MISSING | 2475 | 9.9 |
| HEX_MEAN2_2 | Hexane Average of the daily average exposures: TP2 | NUM | | 3.4 | 0-153 | 19108 | MISSING | 5829 | 23.4 |
| HEX_MEAN2_3 | Hexane Average of the daily average exposures: TP3 | NUM | | 2.8 | 0-131 | 18731 | MISSING | 6206 | 24.9 |
| HEX_MEAN2_4 | Hexane Average of the daily average exposures: TP4 | NUM | | 2.7 | 0-119 | 12425 | MISSING | 12512 | 50.2 |
| HEX_MEAN2_5 | Hexane Average of the daily average exposures: TP5 | NUM | | 2.4 | 0-82 | 5212 | MISSING | 19725 | 79.1 |
| HEX_MEAN2_6 | Hexane Average of the daily average exposures: TP6 | NUM | | 3.0 | 0-82 | 2940 | MISSING | 21997 | 88.2 |
| PM_EXP_DUR_1B | Number of days exposed: TP1B | NUM | | 2.3 | 0-49 | 24937 | | 24937 | 100.0 |
| PM_MAX_1HR_1B | Maximum exposure. Highest of the daily 1 hour exposure estimates: TP1B | NUM | PM_1HR_MAX | | | | Missing | 22813 | 91.5 |
| | | | | | 67 | | Offshore in situ (67 ug/m^3) | 53 | 0.2 |
| | | | | | 177 | | Hotzone/Source (177 ug/m^3) | 1746 | 7.0 |
| | | | | | 545 | | Hotzone (545 ug/m^3) | 325 | 1.3 |
| PM_MAX_12HR_1B | Maximum exposure. Highest of the daily 12 hour exposure estimates: TP1B | NUM | PM_12HR_MAX | | | | Missing | 22813 | 91.5 |
| | | | | | 10 | | Offshore in situ (10 ug/m^3) | 53 | 0.2 |
| | | | | | 29 | | Hotzone/Source (29 ug/m^3) | 1746 | 7.0 |

DATA SET: quan_exposure_20231013

DATE CREATED: 10/13/2023

Number of Observations: 24937

Number of Variables: 451

Organization of file: One Record per Participant (ID)

| VARIABLE NAME | LABEL (VAR) | TYPE | FORMAT | MEAN | RANGE | N | CATEGORY | FREQUENCY | PERCENT |
|-------------------------|---|------|--------|--------|----------|------|--|-----------|---------|
| | | | | | 97 | | Hotzone (97 ug/m ³) | 325 | 1.3 |
| PM_CUMUL_1HR_1B | Cumulative exposure. Sum of the daily 1 hour exposure estimates: TP1B | NUM | | 5779.1 | 67-22891 | 2124 | MISSING | 22813 | 91.5 |
| PM_CUMUL_12HR_1B | Cumulative exposure. Sum of the daily 12 hour exposure estimates: TP1B | NUM | | 959.6 | 10-4071 | 2124 | MISSING | 22813 | 91.5 |
| PM2_5_WORK_1B | PM2.5 area worked in time period 1B | NUM | PMAREA | | | | | 2475 | 9.9 |
| | | | | | | | Offshore (Default value for questionnaire responses of wellhead=no and nearshore | 1235 | 5.0 |
| | | | | | 0 | | Non water workers | 12130 | 48.6 |
| | | | | | 1 | | Water workers unknown | 1551 | 6.2 |
| | | | | | 2 | | Nearshore | 5422 | 21.7 |
| | | | | | 4 | | PM2.5 In situ burns (1hr max 67; 12hr max 10) | 53 | 0.2 |
| | | | | | 5 | | PM2.5 Hotzone/Source (1hr max 177; 12hr max 29) | 1746 | 7.0 |
| | | | | | 6 | | PM2.5 Hotzone (1hr max 545; 12 hrmax 97) | 325 | 1.3 |
| OILMIST_MAX_MAX_ORIG | Oil Mist Maximum maximum exposure. Highest of the max daily exposure estimates: Overall | NUM | OMIST | | . | | .(Unknown) | 201 | 0.8 |
| | | | | | 0 | | 0 (Zero exposure) | 7476 | 30.0 |
| | | | | | 1 | | 1 (0-Very Low) | 351 | 1.4 |
| | | | | | 2 | | 2 (Very Low) | 2831 | 11.4 |
| | | | | | 3 | | 3 (Very Low-Low) | 995 | 4.0 |
| | | | | | 4 | | 4 (Low) | 5053 | 20.3 |
| | | | | | 5 | | 5 (Low-Medium) | 964 | 3.9 |
| | | | | | 6 | | 6 (Medium) | 2716 | 10.9 |
| | | | | | 7 | | 7 (High) | 4350 | 17.4 |
| OILMIST_MAX_MAX_1A_ORIG | Oil Mist Maximum maximum exposure. Highest of the max daily exposure estimates: TP1A | NUM | OMIST | | . | | .(Unknown) | 201 | 0.8 |
| | | | | | 0 | | 0 (Zero exposure) | 21453 | 86.0 |
| | | | | | 1 | | 1 (0-Very Low) | 280 | 1.1 |
| | | | | | 2 | | 2 (Very Low) | 1550 | 6.2 |
| | | | | | 3 | | 3 (Very Low-Low) | 388 | 1.6 |
| | | | | | 4 | | 4 (Low) | 773 | 3.1 |
| | | | | | 5 | | 5 (Low-Medium) | 139 | 0.6 |

DATA SET: quan_exposure_20231013

DATE CREATED: 10/13/2023

Number of Observations: 24937

Number of Variables: 451

Organization of file: One Record per Participant (ID)

| VARIABLE NAME | LABEL (VAR) | TYPE | FORMAT | MEAN | RANGE | N | CATEGORY | FREQUENCY | PERCENT |
|-------------------------|--|------|--------|------|-------|---|-------------------|-----------|---------|
| | | | | | 6 | | 6 (Medium) | 53 | 0.2 |
| | | | | | 7 | | 7 (High) | 100 | 0.4 |
| OILMIST_MAX_MAX_1B_ORIG | Oil Mist Maximum maximum exposure. Highest of the max daily exposure estimates: TP1B | NUM | OMIST | . | | | . (Unknown) | 201 | 0.8 |
| | | | | | 0 | | 0 (Zero exposure) | 9874 | 39.6 |
| | | | | | 1 | | 1 (0-Very Low) | 322 | 1.3 |
| | | | | | 2 | | 2 (Very Low) | 3331 | 13.4 |
| | | | | | 3 | | 3 (Very Low-Low) | 1267 | 5.1 |
| | | | | | 4 | | 4 (Low) | 5176 | 20.8 |
| | | | | | 5 | | 5 (Low-Medium) | 1253 | 5.0 |
| | | | | | 6 | | 6 (Medium) | 389 | 1.6 |
| | | | | | 7 | | 7 (High) | 3124 | 12.5 |
| OILMIST_MAX_MAX_2_ORIG | Oil Mist Maximum maximum exposure. Highest of the max daily exposure estimates: TP2 | NUM | OMIST | . | | | . (Unknown) | 201 | 0.8 |
| | | | | | 0 | | 0 (Zero exposure) | 12386 | 49.7 |
| | | | | | 1 | | 1 (0-Very Low) | 304 | 1.2 |
| | | | | | 2 | | 2 (Very Low) | 2594 | 10.4 |
| | | | | | 3 | | 3 (Very Low-Low) | 1051 | 4.2 |
| | | | | | 4 | | 4 (Low) | 2924 | 11.7 |
| | | | | | 5 | | 5 (Low-Medium) | 628 | 2.5 |
| | | | | | 6 | | 6 (Medium) | 2252 | 9.0 |
| | | | | | 7 | | 7 (High) | 2597 | 10.4 |
| OILMIST_MAX_MAX_3_ORIG | Oil Mist Maximum maximum exposure. Highest of the max daily exposure estimates: TP3 | NUM | OMIST | . | | | . (Unknown) | 201 | 0.8 |
| | | | | | 0 | | 0 (Zero exposure) | 11983 | 48.1 |
| | | | | | 1 | | 1 (0-Very Low) | 217 | 0.9 |
| | | | | | 2 | | 2 (Very Low) | 2450 | 9.8 |
| | | | | | 3 | | 3 (Very Low-Low) | 972 | 3.9 |
| | | | | | 4 | | 4 (Low) | 2980 | 12.0 |
| | | | | | 5 | | 5 (Low-Medium) | 685 | 2.7 |
| | | | | | 6 | | 6 (Medium) | 2480 | 9.9 |
| | | | | | 7 | | 7 (High) | 2969 | 11.9 |
| OILMIST_MAX_MAX_4_ORIG | Oil Mist Maximum maximum exposure. Highest of the max daily exposure estimates: TP4 | NUM | OMIST | . | | | . (Unknown) | 201 | 0.8 |

DATA SET: quan_exposure_20231013

DATE CREATED: 10/13/2023

Number of Observations: 24937

Number of Variables: 451

Organization of file: One Record per Participant (ID)

| VARIABLE NAME | LABEL (VAR) | TYPE | FORMAT | MEAN | RANGE | N | CATEGORY | FREQUENCY | PERCENT |
|------------------------|--|------|-----------|------|-------|---|--|-----------|---------|
| | | | | | 0 | | 0 (Zero exposure) | 16676 | 66.9 |
| | | | | | 1 | | 1 (0-Very Low) | 177 | 0.7 |
| | | | | | 2 | | 2 (Very Low) | 1799 | 7.2 |
| | | | | | 3 | | 3 (Very Low-Low) | 601 | 2.4 |
| | | | | | 4 | | 4 (Low) | 1485 | 6.0 |
| | | | | | 5 | | 5 (Low-Medium) | 457 | 1.8 |
| | | | | | 6 | | 6 (Medium) | 1610 | 6.5 |
| | | | | | 7 | | 7 (High) | 1931 | 7.7 |
| OILMIST_MAX_MAX_5_ORIG | Oil Mist Maximum maximum exposure. Highest of the max daily exposure estimates: TP5 | NUM | OMIST | | . | | .(Unknown) | 201 | 0.8 |
| | | | | | 0 | | 0 (Zero exposure) | 22314 | 89.5 |
| | | | | | 1 | | 1 (0-Very Low) | 131 | 0.5 |
| | | | | | 2 | | 2 (Very Low) | 680 | 2.7 |
| | | | | | 3 | | 3 (Very Low-Low) | 10 | 0.0 |
| | | | | | 4 | | 4 (Low) | 324 | 1.3 |
| | | | | | 5 | | 5 (Low-Medium) | 49 | 0.2 |
| | | | | | 6 | | 6 (Medium) | 696 | 2.8 |
| | | | | | 7 | | 7 (High) | 532 | 2.1 |
| OILMIST_MAX_MAX_6_ORIG | Oil Mist Maximum maximum exposure. Highest of the max daily exposure estimates: TP6 | NUM | OMIST | | . | | .(Unknown) | 201 | 0.8 |
| | | | | | 0 | | 0 (Zero exposure) | 23742 | 95.2 |
| | | | | | 1 | | 1 (0-Very Low) | 102 | 0.4 |
| | | | | | 2 | | 2 (Very Low) | 348 | 1.4 |
| | | | | | 3 | | 3 (Very Low-Low) | 3 | 0.0 |
| | | | | | 4 | | 4 (Low) | 57 | 0.2 |
| | | | | | 6 | | 6 (Medium) | 240 | 1.0 |
| | | | | | 7 | | 7 (High) | 244 | 1.0 |
| OILMIST_MAX_MAX | Oil Mist Maximum maximum exposure 5 Level Categorization. Highest of the max daily exposure estimates: Overall | NUM | OMIST5LEV | | . | | .(Unknown) | 201 | 0.8 |
| | | | | | 0 | | 0 (Zero exposure) | 7476 | 30.0 |
| | | | | | 1 | | 1 (0-Very Low, Very Low, Very Low-Low) | 4177 | 16.8 |
| | | | | | 2 | | 2 (Low) | 5053 | 20.3 |
| | | | | | 3 | | 3 (Low-Medium, Medium) | 3680 | 14.8 |

DATA SET: quan_exposure_20231013

DATE CREATED: 10/13/2023

Number of Observations: 24937

Number of Variables: 451

Organization of file: One Record per Participant (ID)

| VARIABLE NAME | LABEL (VAR) | TYPE | FORMAT | MEAN | RANGE | N | CATEGORY | FREQUENCY | PERCENT |
|--------------------|---|------|-----------|------|-------|---|--------------------------------------|-----------|---------|
| | | | | | | | 4 (High) | 4350 | 17.4 |
| OILMIST_MAX_MAX_1A | Oil Mist Maximum maximum exposure 5 Level Categorization. Highest of the max daily exposure estimates: TP1A | NUM | OMIST5LEV | . | | | .(Unknown) | 201 | 0.8 |
| | | | | | | | 0 (Zero exposure) | 21453 | 86.0 |
| | | | | | | | 1 (0-Very Low,Very Low,Very Low-Low) | 2218 | 8.9 |
| | | | | | | | 2 (Low) | 773 | 3.1 |
| | | | | | | | 3 (Low-Medium,Medium) | 192 | 0.8 |
| | | | | | | | 4 (High) | 100 | 0.4 |
| OILMIST_MAX_MAX_1B | Oil Mist Maximum maximum exposure 5 Level Categorization. Highest of the max daily exposure estimates: TP1B | NUM | OMIST5LEV | . | | | .(Unknown) | 201 | 0.8 |
| | | | | | | | 0 (Zero exposure) | 9874 | 39.6 |
| | | | | | | | 1 (0-Very Low,Very Low,Very Low-Low) | 4920 | 19.7 |
| | | | | | | | 2 (Low) | 5176 | 20.8 |
| | | | | | | | 3 (Low-Medium,Medium) | 1642 | 6.6 |
| | | | | | | | 4 (High) | 3124 | 12.5 |
| OILMIST_MAX_MAX_2 | Oil Mist Maximum maximum exposure 5 Level Categorization. Highest of the max daily exposure estimates: TP2 | NUM | OMIST5LEV | . | | | .(Unknown) | 201 | 0.8 |
| | | | | | | | 0 (Zero exposure) | 12386 | 49.7 |
| | | | | | | | 1 (0-Very Low,Very Low,Very Low-Low) | 3949 | 15.8 |
| | | | | | | | 2 (Low) | 2924 | 11.7 |
| | | | | | | | 3 (Low-Medium,Medium) | 2880 | 11.5 |
| | | | | | | | 4 (High) | 2597 | 10.4 |
| OILMIST_MAX_MAX_3 | Oil Mist Maximum maximum exposure 5 Level Categorization. Highest of the max daily exposure estimates: TP3 | NUM | OMIST5LEV | . | | | .(Unknown) | 201 | 0.8 |
| | | | | | | | 0 (Zero exposure) | 11983 | 48.1 |
| | | | | | | | 1 (0-Very Low,Very Low,Very Low-Low) | 3639 | 14.6 |
| | | | | | | | 2 (Low) | 2980 | 12.0 |
| | | | | | | | 3 (Low-Medium,Medium) | 3165 | 12.7 |
| | | | | | | | 4 (High) | 2969 | 11.9 |
| OILMIST_MAX_MAX_4 | Oil Mist Maximum maximum exposure 5 Level Categorization. Highest of the max daily exposure estimates: TP4 | NUM | OMIST5LEV | . | | | .(Unknown) | 201 | 0.8 |

DATA SET: quan_exposure_20231013

DATE CREATED: 10/13/2023

Number of Observations: 24937

Number of Variables: 451

Organization of file: One Record per Participant (ID)

| VARIABLE NAME | LABEL (VAR) | TYPE | FORMAT | MEAN | RANGE | N | CATEGORY | FREQUENCY | PERCENT |
|-------------------|--|------|-----------|------|-------|---|--------------------------------------|-----------|---------|
| | | | | | 0 | | 0 (Zero exposure) | 16676 | 66.9 |
| | | | | | 1 | | 1 (0-Very Low,Very Low,Very Low-Low) | 2577 | 10.3 |
| | | | | | 2 | | 2 (Low) | 1485 | 6.0 |
| | | | | | 3 | | 3 (Low-Medium,Medium) | 2067 | 8.3 |
| | | | | | 4 | | 4 (High) | 1931 | 7.7 |
| | | | | | | | | | |
| OILMIST_MAX_MAX_5 | Oil Mist Maximum maximum exposure 5 Level Categorization. Highest of the max daily exposure estimates: TP5 | NUM | OMIST5LEV | | . | | .(Unknown) | 201 | 0.8 |
| | | | | | 0 | | 0 (Zero exposure) | 22314 | 89.5 |
| | | | | | 1 | | 1 (0-Very Low,Very Low,Very Low-Low) | 821 | 3.3 |
| | | | | | 2 | | 2 (Low) | 324 | 1.3 |
| | | | | | 3 | | 3 (Low-Medium,Medium) | 745 | 3.0 |
| | | | | | 4 | | 4 (High) | 532 | 2.1 |
| | | | | | | | | | |
| OILMIST_MAX_MAX_6 | Oil Mist Maximum maximum exposure 5 Level Categorization. Highest of the max daily exposure estimates: TP6 | NUM | OMIST5LEV | | . | | .(Unknown) | 201 | 0.8 |
| | | | | | 0 | | 0 (Zero exposure) | 23742 | 95.2 |
| | | | | | 1 | | 1 (0-Very Low,Very Low,Very Low-Low) | 453 | 1.8 |
| | | | | | 2 | | 2 (Low) | 57 | 0.2 |
| | | | | | 3 | | 3 (Low-Medium,Medium) | 240 | 1.0 |
| | | | | | 4 | | 4 (High) | 244 | 1.0 |
| | | | | | | | | | |