



**Groundwater Sample Results,
Electronic Data Deliverable,
and the Sample Location Report, SDG 16D027**

*Naval Air Warfare Center Weapons Division China Lake
China Lake, California*

November 2019

facility_id	facility_code	sys_loc_code	sys_sample_code	sample_name	sample_date	sample_type_code	start_depth	end_depth	depth_unit	matrix_code	task_code	field_sdg	parent_sample_code	analysis_location	lab_sample_id	lab_matrix_code	lab_name_code	analytic_method	analysis_date	column_number	fraction	test_type	prep_method
10177	NAWS China Lake	KCH43-MW09	KCH067-087	KCH067-087	4/3/2016	N				WG	IRP Site 43	16D027		LB	K1603420-001	W	CASK	E537	5/24/2016	NA	T	INITIAL	SW3535A
10177	NAWS China Lake	KCH43-MW09	KCH067-087	KCH067-087	4/3/2016	N				WG	IRP Site 43	16D027		LB	K1603420-001	W	CASK	E537	5/24/2016	NA	T	INITIAL	SW3535A
10177	NAWS China Lake	KCH43-MW09	KCH067-087	KCH067-087	4/3/2016	N				WG	IRP Site 43	16D027		LB	K1603420-001	W	CASK	E537	5/24/2016	NA	T	INITIAL	SW3535A
10177	NAWS China Lake	KCH43-MW10	KCH067-088	KCH067-088	4/4/2016	N				WG	IRP Site 43	16D027		LB	K1603420-002	W	CASK	E537	5/24/2016	NA	T	INITIAL	SW3535A
10177	NAWS China Lake	KCH43-MW10	KCH067-088	KCH067-088	4/4/2016	N				WG	IRP Site 43	16D027		LB	K1603420-002	W	CASK	E537	5/24/2016	NA	T	INITIAL	SW3535A
10177	NAWS China Lake	WG43-MW08	KCH067-089	KCH067-089	4/4/2016	N				WG	IRP Site 43	16D027		LB	K1603420-003	W	CASK	E537	5/12/2016	NA	T	INITIAL	SW3535A
10177	NAWS China Lake	WG43-MW08	KCH067-089	KCH067-089	4/4/2016	N				WG	IRP Site 43	16D027		LB	K1603420-003	W	CASK	E537	5/24/2016	NA	T	INITIAL	SW3535A
10177	NAWS China Lake	WG43-MW08	KCH067-089	KCH067-089	4/4/2016	N				WG	IRP Site 43	16D027		LB	K1603420-003	W	CASK	E537	5/24/2016	NA	T	INITIAL	SW3535A
10177	NAWS China Lake	RLS43-MW05	KCH067-091	KCH067-091	4/4/2016	N				WG	IRP Site 43	16D027		LB	K1603420-004	W	CASK	E537	5/12/2016	NA	T	INITIAL	SW3535A
10177	NAWS China Lake	RLS43-MW05	KCH067-091	KCH067-091	4/4/2016	N				WG	IRP Site 43	16D027		LB	K1603420-004	W	CASK	E537	5/12/2016	NA	T	INITIAL	SW3535A
10177	NAWS China Lake	RLS43-MW05	KCH067-091	KCH067-091	4/4/2016	N				WG	IRP Site 43	16D027		LB	K1603420-004	W	CASK	E537	5/12/2016	NA	T	INITIAL	SW3535A
10177	NAWS China Lake	FQC	KCH067-104	KCH067-104	4/5/2016	SB				WQ		16D027		LB	K1603420-008	W	CASK	E537	5/12/2016	NA	T	INITIAL	SW3535A
10177	NAWS China Lake	FQC	KCH067-104	KCH067-104	4/5/2016	SB				WQ		16D027		LB	K1603420-008	W	CASK	E537	5/12/2016	NA	T	INITIAL	SW3535A
10177	NAWS China Lake	WG43-MW07	KCH067-092	KCH067-092	4/4/2016	N				WG	IRP Site 43	16D027		LB	K1603420-005	W	CASK	E537	5/24/2016	NA	T	INITIAL	SW3535A
10177	NAWS China Lake	WG43-MW07	KCH067-092	KCH067-092	4/4/2016	N				WG	IRP Site 43	16D027		LB	K1603420-005	W	CASK	E537	5/24/2016	NA	T	INITIAL	SW3535A
10177	NAWS China Lake	WG43-MW07	KCH067-092	KCH067-092	4/4/2016	N				WG	IRP Site 43	16D027		LB	K1603420-005	W	CASK	E537	5/24/2016	NA	T	INITIAL	SW3535A
10177	NAWS China Lake	FQC	KCH067-093	KCH067-093	4/4/2016	EB				WQ		16D027		LB	K1603420-006	W	CASK	E537	5/12/2016	NA	T	INITIAL	SW3535A
10177	NAWS China Lake	KCH43-MW10	KCH067-088	KCH067-088	4/4/2016	N				WG	IRP Site 43	16D027		LB	K1603420-002	W	CASK	E537	5/2/2016	NA	T	INITIAL	SW3535A
10177	NAWS China Lake	FQC	KCH067-093	KCH067-093	4/4/2016	EB				WQ		16D027		LB	K1603420-006	W	CASK	E537	5/12/2016	NA	T	INITIAL	SW3535A
10177	NAWS China Lake	FQC	KCH067-093	KCH067-093	4/4/2016	EB				WQ		16D027		LB	K1603420-006	W	CASK	E537	5/12/2016	NA	T	INITIAL	SW3535A
10177	NAWS China Lake	FQC	KCH067-094	KCH067-094	4/4/2016	EB				WQ		16D027		LB	K1603420-007	W	CASK	E537	5/12/2016	NA	T	INITIAL	SW3535A
10177	NAWS China Lake	FQC	KCH067-094	KCH067-094	4/4/2016	EB				WQ		16D027		LB	K1603420-007	W	CASK	E537	5/12/2016	NA	T	INITIAL	SW3535A
10177	NAWS China Lake	FQC	KCH067-094	KCH067-094	4/4/2016	EB				WQ		16D027		LB	K1603420-007	W	CASK	E537	5/12/2016	NA	T	INITIAL	SW3535A
10177	NAWS China Lake	FQC	KCH067-094	KCH067-094	4/4/2016	EB				WQ		16D027		LB	K1603420-007	W	CASK	E537	5/12/2016	NA	T	INITIAL	SW3535A
10177	NAWS China Lake	FQC	KCH067-104	KCH067-104	4/5/2016	SB				WQ		16D027		LB	K1603420-008	W	CASK	E537	5/12/2016	NA	T	INITIAL	SW3535A
10177	NAWS China Lake	KCH43-MW09	KCH067-107	KCH067-107	4/3/2016	FD				WG	IRP Site 43	16D027	KCH067-087	LB	K1603420-009	W	CASK	E537	5/24/2016	NA	T	INITIAL	SW3535A
10177	NAWS China Lake	KCH43-MW09	KCH067-107	KCH067-107	4/3/2016	FD				WG	IRP Site 43	16D027	KCH067-087	LB	K1603420-009	W	CASK	E537	5/24/2016	NA	T	INITIAL	SW3535A
10177	NAWS China Lake	KCH43-MW09	KCH067-107	KCH067-107	4/3/2016	FD				WG	IRP Site 43	16D027	KCH067-087	LB	K1603420-009	W	CASK	E537	5/12/2016	NA	T	INITIAL	SW3535A

leachate_method	lab_sdq	percent_moisture	dilution_factor	test_id	cas_rn	chemical_name	organic_yn	report_result_text	report_result_value	report_result_unit	report_result_limit	reportable_result	detect_flag	interpreted_qualifiers	validator_qualifiers	lab_qualifiers	quantitation_limit	method_detection_limit	reporting_detection_limit	detection_limit_unit
K1603420			2000	2667126	45298-90-6	Perfluorooctane sulfonate - PFOS		1600000	1600000	ng/L	1600000	Yes	Y				9600	1200	2400	ng/L
K1603420			10000	2667125	335-67-1	Perfluorooctanoic acid - PFOA	Y	3200000	3200000	ng/L	3200000	Yes	Y	J	J		48000	2700	8000	ng/L
K1603420			2000	2667126	45187-15-3	Perfluorobutane Sulfonate - PFBS		3300000	3300000	ng/L	3300000	Yes	Y	J	J		9600	820	2400	ng/L
K1603420			500	2667128	335-67-1	Perfluorooctanoic acid - PFOA	Y	89000	89000	ng/L	89000	Yes	Y				2300	140	400	ng/L
K1603420			500	2667128	45298-90-6	Perfluorooctane sulfonate - PFOS		9300	9300	ng/L	9300	Yes	Y				2300	300	600	ng/L
K1603420			100	2667129	45187-15-3	Perfluorobutane Sulfonate - PFBS		12000	12000	ng/L	12000	Yes	Y	J		J	460	41	120	ng/L
K1603420			10000	2667131	335-67-1	Perfluorooctanoic acid - PFOA	Y	2300000	2300000	ng/L	2300000	Yes	Y	J	J		46000	2700	8000	ng/L
K1603420			10000	2667131	45298-90-6	Perfluorooctane sulfonate - PFOS		5700000	5700000	ng/L	5700000	Yes	Y	J	J		46000	6000	12000	ng/L
K1603420			50	2667134	45187-15-3	Perfluorobutane Sulfonate - PFBS		2900	2900	ng/L	2900	Yes	Y				230	21	60	ng/L
K1603420			50	2667134	335-67-1	Perfluorooctanoic acid - PFOA	Y	50000	50000	ng/L	50000	Yes	Y				230	14	40	ng/L
K1603420			50	2667134	45298-90-6	Perfluorooctane sulfonate - PFOS		8800	8800	ng/L	8800	Yes	Y				230	30	60	ng/L
K1603420			1	2667139	45187-15-3	Perfluorobutane Sulfonate - PFBS		0.41	0.41	ng/L	0.41	Yes	Y	J		J	4.6	0.41	1.2	ng/L
K1603420			1	2667139	335-67-1	Perfluorooctanoic acid - PFOA	Y	11	11	ng/L	11	Yes	Y			B	4.6	0.27	0.80	ng/L
K1603420			2000	2667136	45298-90-6	Perfluorooctane sulfonate - PFOS		1100000	1100000	ng/L	1100000	Yes	Y				9300	1200	2400	ng/L
K1603420			2000	2667136	45187-15-3	Perfluorobutane Sulfonate - PFBS		2600000	2600000	ng/L	2600000	Yes	Y				9300	820	2400	ng/L
K1603420			2000	2667136	335-67-1	Perfluorooctanoic acid - PFOA	Y	2600000	2600000	ng/L	2600000	Yes	Y				9300	540	1600	ng/L
K1603420			1	2667137	45298-90-6	Perfluorooctane sulfonate - PFOS		170	170	ng/L	170	Yes	Y				4.6	0.60	1.2	ng/L
K1603420			1	2667127	45187-15-3	Perfluorobutane Sulfonate - PFBS		1800	1800	ng/L	1800	Yes	Y				4.6	0.41	1.2	ng/L
K1603420			1	2667137	45187-15-3	Perfluorobutane Sulfonate - PFBS		2.0	2.0	ng/L	2.0	Yes	Y	J		J	4.6	0.41	1.2	ng/L
K1603420			1	2667137	335-67-1	Perfluorooctanoic acid - PFOA	Y	28	28	ng/L	28	Yes	Y			B	4.6	0.27	0.80	ng/L
K1603420			1	2667138	335-67-1	Perfluorooctanoic acid - PFOA	Y	410	410	ng/L	410	Yes	Y				4.6	0.27	0.80	ng/L
K1603420			1	2667138	45187-15-3	Perfluorobutane Sulfonate - PFBS		46	46	ng/L	46	Yes	Y				4.6	0.41	1.2	ng/L
K1603420			1	2667138	45298-90-6	Perfluorooctane sulfonate - PFOS		630	630	ng/L	630	Yes	Y				4.6	0.60	1.2	ng/L
K1603420			1	2667139	45298-90-6	Perfluorooctane sulfonate - PFOS		80	80	ng/L	80	Yes	Y				4.6	0.60	1.2	ng/L
K1603420			2000	2667141	45298-90-6	Perfluorooctane sulfonate - PFOS		1300000	1300000	ng/L	1300000	Yes	Y				8900	1200	2400	ng/L
K1603420			2000	2667141	335-67-1	Perfluorooctanoic acid - PFOA	Y	1800000	1800000	ng/L	1800000	Yes	Y	J	J	J	8900	540	1600	ng/L
K1603420			100	2667140	45187-15-3	Perfluorobutane Sulfonate - PFBS		28000	28000	ng/L	28000	Yes	Y	J	J	J	450	41	120	ng/L

approval_code	result_text	result_numeric	result_unit	result_type_code
	1600000	1600000	ng/L	TRG
14	3200000	3200000	ng/L	TRG
14	3300000	3300000	ng/L	TRG
	890000	890000	ng/L	TRG
	93000	93000	ng/L	TRG
	120000	120000	ng/L	TRG
	2300000	2300000	ng/L	TRG
	5700000	5700000	ng/L	TRG
	29000	29000	ng/L	TRG
	500000	500000	ng/L	TRG
	88000	88000	ng/L	TRG
	0.41	0.41	ng/L	TRG
	11	11	ng/L	TRG
	1100000	1100000	ng/L	TRG
	2600000	2600000	ng/L	TRG
	2600000	2600000	ng/L	TRG
	170	170	ng/L	TRG
	18000	18000	ng/L	TRG
	2.0	2	ng/L	TRG
	28	28	ng/L	TRG
	410	410	ng/L	TRG
	46	46	ng/L	TRG
	630	630	ng/L	TRG
	80	80	ng/L	TRG
	1300000	1300000	ng/L	TRG
14	1800000	1800000	ng/L	TRG
14	280000	280000	ng/L	TRG

SITE_NAME	INSTALLATION_ID	LOCATION_NAME	LOCATION_TYPE	LOCATION_TYPE_DESC	SDG	COORD_X	COORD_Y	ANALYTICAL_METHOD_GRP_DESC	SAMPLE_NAME	SAMPLE_MATRIX	SAMPLE_MATRIX_DESC	COLLECT_DATE
SITE 00043	CHINA_LAKE_NAWS	KCH43-MW09	WL	Well	16D027	6680169.957	2446122.119	Perfluoroalkyl Compounds	KCH067-087	WG	Ground water	03-Apr-16
SITE 00043	CHINA_LAKE_NAWS	KCH43-MW09	WL	Well	16D027	6680169.957	2446122.119	Perfluoroalkyl Compounds	KCH067-107	WG	Ground water	03-Apr-16
SITE 00043	CHINA_LAKE_NAWS	KCH43-MW10	WL	Well	16D027	6680058.607	2446001.666	Perfluoroalkyl Compounds	KCH067-088	WG	Ground water	04-Apr-16
SITE 00043	CHINA_LAKE_NAWS	RLS43-MW05	WL	Well	16D027	6680083.012	2445923.419	Perfluoroalkyl Compounds	KCH067-091	WG	Ground water	04-Apr-16
SITE 00043	CHINA_LAKE_NAWS	WG43-MW07	WLM	Monitoring well	16D027	6680438.562	2445394.176	Perfluoroalkyl Compounds	KCH067-092	WG	Ground water	04-Apr-16
SITE 00043	CHINA_LAKE_NAWS	WG43-MW08	WLM	Monitoring well	16D027	6680458.433	2445285.237	Perfluoroalkyl Compounds	KCH067-089	WG	Ground water	04-Apr-16