

Surrogate Summary

SDG No.: **Q3193**

Client: **AECOM Technical Services, Inc.**

Analytical Method: **SW8260-Low**

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q3193-01	RW10-MW01D-20250923	1,2-Dichloroethane-d4	50	52.3	105		81	118
		Dibromofluoromethane	50	49.2	98		80	119
		Toluene-d8	50	48.5	97		89	112
		4-Bromofluorobenzene	50	56.4	113		85	114
Q3193-02MS	RW10-MW01D-20250923MS	1,2-Dichloroethane-d4	50	51.5	103		81	118
		Dibromofluoromethane	50	52.1	104		80	119
		Toluene-d8	50	50.4	101		89	112
		4-Bromofluorobenzene	50	50.3	101		85	114
Q3193-03MSD	RW10-MW01D-20250923MSD	1,2-Dichloroethane-d4	50	52.7	105		81	118
		Dibromofluoromethane	50	53.1	106		80	119
		Toluene-d8	50	52.5	105		89	112
		4-Bromofluorobenzene	50	52.6	105		85	114
Q3193-04	TT149S1-20250922	1,2-Dichloroethane-d4	50	56.2	112		81	118
		Dibromofluoromethane	50	50.2	100		80	119
		Toluene-d8	50	48.7	97		89	112
		4-Bromofluorobenzene	50	54.6	109		85	114
Q3193-05	RE137-20250922	1,2-Dichloroethane-d4	50	49.1	98		81	118
		Dibromofluoromethane	50	47.8	96		80	119
		Toluene-d8	50	46.9	94		89	112
		4-Bromofluorobenzene	50	51.4	103		85	114
Q3193-05DL	RE137-20250922DL	1,2-Dichloroethane-d4	50	50.0	100		81	118
		Dibromofluoromethane	50	49.3	99		80	119
		Toluene-d8	50	49.0	98		89	112
		4-Bromofluorobenzene	50	53.5	107		85	114
Q3193-06	RW4-20250922	1,2-Dichloroethane-d4	50	52.0	104		81	118
		Dibromofluoromethane	50	49.2	98		80	119
		Toluene-d8	50	48.2	96		89	112
		4-Bromofluorobenzene	50	53.9	108		85	114
Q3193-06DL	RW4-20250922DL	1,2-Dichloroethane-d4	50	49.1	98		81	118
		Dibromofluoromethane	50	48.4	97		80	119
		Toluene-d8	50	48.5	97		89	112
		4-Bromofluorobenzene	50	52.8	106		85	114
Q3193-07	GM38-RW3-MW1-20250922	1,2-Dichloroethane-d4	50	52.2	104		81	118
		Dibromofluoromethane	50	49.8	100		80	119
		Toluene-d8	50	48.6	97		89	112
		4-Bromofluorobenzene	50	55.9	112		85	114
Q3193-08	TT20551-20250923	1,2-Dichloroethane-d4	50	54.5	109		81	118
		Dibromofluoromethane	50	50.3	101		80	119
		Toluene-d8	50	49.5	99		89	112
		4-Bromofluorobenzene	50	56.1	112		85	114
Q3193-09	RW10A-MW01I-20250923	1,2-Dichloroethane-d4	50	50.4	101		81	118
		Dibromofluoromethane	50	48.4	97		80	119
		Toluene-d8	50	48.4	97		89	112
		4-Bromofluorobenzene	50	53.8	108		85	114
Q3193-10	RW8-MW01S-20250923	1,2-Dichloroethane-d4	50	50.4	101		81	118
		Dibromofluoromethane	50	48.8	98		80	119
		Toluene-d8	50	48.1	96		89	112
		4-Bromofluorobenzene	50	53.6	107		85	114
Q3193-11	TT172S1-20250923	1,2-Dichloroethane-d4	50	52.3	105		81	118
		Dibromofluoromethane	50	49.9	100		80	119

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							Low	High
Q3193-11	TT172S1-20250923	Toluene-d8	50	48.6	97		89	112
		4-Bromofluorobenzene	50	54.8	110		85	114
Q3193-12	DUP12-20250923	1,2-Dichloroethane-d4	50	53.1	106		81	118
		Dibromofluoromethane	50	49.9	100		80	119
		Toluene-d8	50	49.7	99		89	112
		4-Bromofluorobenzene	50	56.2	112		85	114
Q3193-13	RW10A-MW01S-20250923	1,2-Dichloroethane-d4	50	51.8	104		81	118
		Dibromofluoromethane	50	50.4	101		80	119
		Toluene-d8	50	49.5	99		89	112
		4-Bromofluorobenzene	50	54.9	110		85	114
Q3193-14	RW8-MW01D1-20250923	1,2-Dichloroethane-d4	50	52.8	106		81	118
		Dibromofluoromethane	50	50.6	101		80	119
		Toluene-d8	50	49.0	98		89	112
		4-Bromofluorobenzene	50	54.6	109		85	114
Q3193-15	DUP11-20250923	1,2-Dichloroethane-d4	50	52.1	104		81	118
		Dibromofluoromethane	50	49.0	98		80	119
		Toluene-d8	50	48.0	96		89	112
		4-Bromofluorobenzene	50	53.4	107		85	114
Q3193-16	TT161S1-20250923	1,2-Dichloroethane-d4	50	53.9	108		81	118
		Dibromofluoromethane	50	49.3	99		80	119
		Toluene-d8	50	48.3	97		89	112
		4-Bromofluorobenzene	50	54.5	109		85	114
Q3193-17	RE103D1-20250923	1,2-Dichloroethane-d4	50	51.7	103		81	118
		Dibromofluoromethane	50	49.8	100		80	119
		Toluene-d8	50	47.3	95		89	112
		4-Bromofluorobenzene	50	54.0	108		85	114
Q3193-17DL	RE103D1-20250923DL	1,2-Dichloroethane-d4	50	53.5	107		81	118
		Dibromofluoromethane	50	49.8	100		80	119
		Toluene-d8	50	49.0	98		89	112
		4-Bromofluorobenzene	50	55.7	111		85	114
Q3193-18	MW203D-20250923	1,2-Dichloroethane-d4	50	54.1	108		81	118
		Dibromofluoromethane	50	50.0	100		80	119
		Toluene-d8	50	48.7	97		89	112
		4-Bromofluorobenzene	50	55.0	110		85	114
Q3193-19	EB04-20250923	1,2-Dichloroethane-d4	50	50.5	101		81	118
		Dibromofluoromethane	50	48.1	96		80	119
		Toluene-d8	50	48.0	96		89	112
		4-Bromofluorobenzene	50	54.5	109		85	114
Q3193-20	TT174I1-20250924	1,2-Dichloroethane-d4	50	50.2	100		81	118
		Dibromofluoromethane	50	49.0	98		80	119
		Toluene-d8	50	48.0	96		89	112
		4-Bromofluorobenzene	50	53.2	106		85	114
Q3193-21	TT162S1-20250924	1,2-Dichloroethane-d4	50	50.7	101		81	118
		Dibromofluoromethane	50	49.6	99		80	119
		Toluene-d8	50	48.6	97		89	112
		4-Bromofluorobenzene	50	52.2	104		85	114
Q3193-22	RE120D3-20250924	1,2-Dichloroethane-d4	50	54.5	109		81	118
		Dibromofluoromethane	50	50.1	100		80	119
		Toluene-d8	50	48.9	98		89	112
		4-Bromofluorobenzene	50	56.5	113		85	114

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Analytical Method: **SW8260-Low**

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
VX0930WBL01	VX0930WBL01	1,2-Dichloroethane-d4	50	52.7	105		81	118
		Dibromofluoromethane	50	50.4	101		80	119
		Toluene-d8	50	48.8	98		89	112
		4-Bromofluorobenzene	50	56.0	112		85	114
VX0930WBS01	VX0930WBS01	1,2-Dichloroethane-d4	50	50.0	100		81	118
		Dibromofluoromethane	50	52.1	104		80	119
		Toluene-d8	50	51.0	102		89	112
		4-Bromofluorobenzene	50	51.6	103		85	114
VX1001WBL01	VX1001WBL01	1,2-Dichloroethane-d4	50	54.2	108		81	118
		Dibromofluoromethane	50	51.0	102		80	119
		Toluene-d8	50	49.2	98		89	112
		4-Bromofluorobenzene	50	55.8	112		85	114
VX1001WBS01	VX1001WBS01	1,2-Dichloroethane-d4	50	51.1	102		81	118
		Dibromofluoromethane	50	52.6	105		80	119
		Toluene-d8	50	51.9	104		89	112
		4-Bromofluorobenzene	50	51.3	103		85	114
VX1003WBL01	VX1003WBL01	1,2-Dichloroethane-d4	50	56.6	113		81	118
		Dibromofluoromethane	50	51.0	102		80	119
		Toluene-d8	50	49.4	99		89	112
		4-Bromofluorobenzene	50	57.0	114		85	114
VX1003WBS02	VX1003WBS02	1,2-Dichloroethane-d4	50	53.6	107		81	118
		Dibromofluoromethane	50	55.1	110		80	119
		Toluene-d8	50	53.6	107		89	112
		4-Bromofluorobenzene	50	54.0	108		85	114