

Surrogate Summary

SDG No.: **Q3097**

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

Analytical Method: **SW8260-Low**

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q3097-01	RE103D2-20250911	1,2-Dichloroethane-d4	50	61.0	122	*	81	118
		Dibromofluoromethane	50	55.3	111		80	119
		Toluene-d8	50	53.2	106		89	112
		4-Bromofluorobenzene	50	57.0	114		85	114
Q3097-01DL	RE103D2-20250911DL	1,2-Dichloroethane-d4	50	47.6	95		81	118
		Dibromofluoromethane	50	47.0	94		80	119
		Toluene-d8	50	48.0	96		89	112
		4-Bromofluorobenzene	50	53.1	106		85	114
Q3097-02MS	RE103D2-20250911MS	1,2-Dichloroethane-d4	50	57.2	114		81	118
		Dibromofluoromethane	50	57.7	115		80	119
		Toluene-d8	50	56.6	113		89	112
		4-Bromofluorobenzene	50	56.8	114		85	114
Q3097-03MSD	RE103D2-20250911MSD	1,2-Dichloroethane-d4	50	55.6	111		81	118
		Dibromofluoromethane	50	53.0	106		80	119
		Toluene-d8	50	53.1	106		89	112
		4-Bromofluorobenzene	50	53.8	108		85	114
Q3097-04	RE125D1-20250911	1,2-Dichloroethane-d4	50	47.1	94		81	118
		Dibromofluoromethane	50	44.8	90		80	119
		Toluene-d8	50	44.5	89		89	112
		4-Bromofluorobenzene	50	44.6	89		85	114
Q3097-05	RE125D3-20250911	1,2-Dichloroethane-d4	50	57.0	114		81	118
		Dibromofluoromethane	50	55.0	110		80	119
		Toluene-d8	50	55.1	110		89	112
		4-Bromofluorobenzene	50	55.5	111		85	114
Q3097-06	RE103D3-20250911	1,2-Dichloroethane-d4	50	55.5	111		81	118
		Dibromofluoromethane	50	52.6	105		80	119
		Toluene-d8	50	52.9	106		89	112
		4-Bromofluorobenzene	50	53.4	107		85	114
Q3097-07	RE108D2-20250911	1,2-Dichloroethane-d4	50	54.9	110		81	118
		Dibromofluoromethane	50	53.6	107		80	119
		Toluene-d8	50	49.9	100		89	112
		4-Bromofluorobenzene	50	51.5	103		85	114
Q3097-07DL	RE108D2-20250911DL	1,2-Dichloroethane-d4	50	59.5	119	*	81	118
		Dibromofluoromethane	50	58.8	118		80	119
		Toluene-d8	50	59.3	119		89	112
		4-Bromofluorobenzene	50	58.9	118		85	114
Q3097-08	RE125D2-20250911	1,2-Dichloroethane-d4	50	50.9	102		81	118
		Dibromofluoromethane	50	49.3	99		80	119
		Toluene-d8	50	48.3	97		89	112
		4-Bromofluorobenzene	50	49.5	99		85	114
Q3097-08DL	RE125D2-20250911DL	1,2-Dichloroethane-d4	50	52.2	104		81	118
		Dibromofluoromethane	50	52.3	105		80	119
		Toluene-d8	50	52.6	105		89	112
		4-Bromofluorobenzene	50	52.9	106		85	114
Q3097-09	RE108D1-20250911	1,2-Dichloroethane-d4	50	52.2	104		81	118
		Dibromofluoromethane	50	51.0	102		80	119
		Toluene-d8	50	51.4	103		89	112
		4-Bromofluorobenzene	50	51.4	103		85	114
Q3097-10	RE120D3-20250911	1,2-Dichloroethane-d4	50	53.7	107		81	118
		Dibromofluoromethane	50	54.1	108		80	119

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Analytical Method: **SW8260-Low**

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q3097-10	RE120D3-20250911	Toluene-d8	50	53.6	107		89	112
		4-Bromofluorobenzene	50	54.1	108		85	114
Q3097-11	RE105D1-20250911	1,2-Dichloroethane-d4	50	56.4	113		81	118
		Dibromofluoromethane	50	54.5	109		80	119
		Toluene-d8	50	54.4	109		89	112
		4-Bromofluorobenzene	50	55.1	110		85	114
Q3097-12	DUP04-20250911	1,2-Dichloroethane-d4	50	53.9	108		81	118
		Dibromofluoromethane	50	52.6	105		80	119
		Toluene-d8	50	52.7	105		89	112
		4-Bromofluorobenzene	50	52.8	106		85	114
Q3097-13	DUP05-20250911	1,2-Dichloroethane-d4	50	49.9	100		81	118
		Dibromofluoromethane	50	49.0	98		80	119
		Toluene-d8	50	47.9	96		89	112
		4-Bromofluorobenzene	50	48.9	98		85	114
Q3097-14	RE105D2-20250911	1,2-Dichloroethane-d4	50	49.9	100		81	118
		Dibromofluoromethane	50	48.7	97		80	119
		Toluene-d8	50	45.5	91		89	112
		4-Bromofluorobenzene	50	46.3	93		85	114
Q3097-14DL	RE105D2-20250911DL	1,2-Dichloroethane-d4	50	53.8	108		81	118
		Dibromofluoromethane	50	52.5	105		80	119
		Toluene-d8	50	53.0	106		89	112
		4-Bromofluorobenzene	50	53.1	106		85	114
Q3097-15	RE117D2-20250911	1,2-Dichloroethane-d4	50	51.1	102		81	118
		Dibromofluoromethane	50	47.6	95		80	119
		Toluene-d8	50	48.9	98		89	112
		4-Bromofluorobenzene	50	54.5	109		85	114
Q3097-16	TB03-20250911	1,2-Dichloroethane-d4	50	47.4	95		81	118
		Dibromofluoromethane	50	47.1	94		80	119
		Toluene-d8	50	47.5	95		89	112
		4-Bromofluorobenzene	50	53.2	106		85	114
Q3097-17	TB04-20250911	1,2-Dichloroethane-d4	50	51.0	102		81	118
		Dibromofluoromethane	50	47.6	95		80	119
		Toluene-d8	50	48.2	96		89	112
		4-Bromofluorobenzene	50	53.0	106		85	114
Q3097-18	TB05-20250912	1,2-Dichloroethane-d4	50	50.1	100		81	118
		Dibromofluoromethane	50	48.0	96		80	119
		Toluene-d8	50	48.8	98		89	112
		4-Bromofluorobenzene	50	54.2	108		85	114
Q3097-19	RE120D1-20250912	1,2-Dichloroethane-d4	50	51.9	104		81	118
		Dibromofluoromethane	50	48.3	97		80	119
		Toluene-d8	50	46.7	93		89	112
		4-Bromofluorobenzene	50	54.0	108		85	114
Q3097-19DL	RE120D1-20250912DL	1,2-Dichloroethane-d4	50	51.1	102		81	118
		Dibromofluoromethane	50	47.8	96		80	119
		Toluene-d8	50	48.8	98		89	112
		4-Bromofluorobenzene	50	53.9	108		85	114
Q3097-20	DUP06-20250912	1,2-Dichloroethane-d4	50	53.5	107		81	118
		Dibromofluoromethane	50	49.5	99		80	119
		Toluene-d8	50	46.9	94		89	112
		4-Bromofluorobenzene	50	53.9	108		85	114

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Analytical Method: **SW8260-Low**

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q3097-20DL	DUP06-20250912DL	1,2-Dichloroethane-d4	50	54.3	109		81	118
		Dibromofluoromethane	50	49.3	99		80	119
		Toluene-d8	50	48.8	98		89	112
		4-Bromofluorobenzene	50	56.4	113		85	114
Q3097-21	RE120D2-20250912	1,2-Dichloroethane-d4	50	50.3	101		81	118
		Dibromofluoromethane	50	47.3	95		80	119
		Toluene-d8	50	47.3	95		89	112
		4-Bromofluorobenzene	50	52.2	104		85	114
Q3097-21DL	RE120D2-20250912DL	1,2-Dichloroethane-d4	50	49.2	98		81	118
		Dibromofluoromethane	50	47.4	95		80	119
		Toluene-d8	50	48.1	96		89	112
		4-Bromofluorobenzene	50	51.3	103		85	114
Q3097-22	RE134D1-20250912	1,2-Dichloroethane-d4	50	50.9	102		81	118
		Dibromofluoromethane	50	48.1	96		80	119
		Toluene-d8	50	48.2	96		89	112
		4-Bromofluorobenzene	50	53.3	107		85	114
Q3097-23	RE134D4-20250912	1,2-Dichloroethane-d4	50	49.0	98		81	118
		Dibromofluoromethane	50	47.8	95		80	119
		Toluene-d8	50	48.3	97		89	112
		4-Bromofluorobenzene	50	54.0	108		85	114
Q3097-23DL	RE134D4-20250912DL	1,2-Dichloroethane-d4	50	52.7	105		81	118
		Dibromofluoromethane	50	47.9	96		80	119
		Toluene-d8	50	48.0	96		89	112
		4-Bromofluorobenzene	50	54.5	109		85	114
Q3097-24	RE134D2-20250912	1,2-Dichloroethane-d4	50	52.5	105		81	118
		Dibromofluoromethane	50	49.0	98		80	119
		Toluene-d8	50	48.5	97		89	112
		4-Bromofluorobenzene	50	55.1	110		85	114
Q3097-25	RE134D3-20250912	1,2-Dichloroethane-d4	50	51.8	104		81	118
		Dibromofluoromethane	50	46.8	94		80	119
		Toluene-d8	50	45.7	91		89	112
		4-Bromofluorobenzene	50	51.2	102		85	114
Q3097-25DL	RE134D3-20250912DL	1,2-Dichloroethane-d4	50	51.4	103		81	118
		Dibromofluoromethane	50	48.0	96		80	119
		Toluene-d8	50	48.0	96		89	112
		4-Bromofluorobenzene	50	53.9	108		85	114
Q3097-26	EB01-20250912	1,2-Dichloroethane-d4	50	47.3	95		81	118
		Dibromofluoromethane	50	47.0	94		80	119
		Toluene-d8	50	46.8	94		89	112
		4-Bromofluorobenzene	50	46.6	93		85	114
VX0919WBL01	VX0919WBL01	1,2-Dichloroethane-d4	50	57.8	116		81	118
		Dibromofluoromethane	50	52.5	105		80	119
		Toluene-d8	50	52.3	105		89	112
		4-Bromofluorobenzene	50	56.3	113		85	114
VX0919WBS01	VX0919WBS01	1,2-Dichloroethane-d4	50	53.2	106		81	118
		Dibromofluoromethane	50	54.2	108		80	119
		Toluene-d8	50	55.4	111		89	112
		4-Bromofluorobenzene	50	55.0	110		85	114
VX0922WBL01	VX0922WBL01	1,2-Dichloroethane-d4	50	47.2	94		81	118
		Dibromofluoromethane	50	48.1	96		80	119

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Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
VX0922WBL01	VX0922WBL01	Toluene-d8	50	49.2	98		89	112
		4-Bromofluorobenzene	50	49.5	99		85	114
VX0922WBS01	VX0922WBS01	1,2-Dichloroethane-d4	50	55.1	110		81	118
		Dibromofluoromethane	50	55.0	110		80	119
		Toluene-d8	50	54.9	110		89	112
		4-Bromofluorobenzene	50	56.8	114		85	114
VX0923WBL01	VX0923WBL01	1,2-Dichloroethane-d4	50	50.6	101		81	118
		Dibromofluoromethane	50	47.7	95		80	119
		Toluene-d8	50	48.0	96		89	112
		4-Bromofluorobenzene	50	56.5	113		85	114
VX0923WBL02	VX0923WBL02	1,2-Dichloroethane-d4	50	51.7	103		81	118
		Dibromofluoromethane	50	50.8	102		80	119
		Toluene-d8	50	50.2	100		89	112
		4-Bromofluorobenzene	50	51.8	103		85	114
VX0923WBS02	VX0923WBS02	1,2-Dichloroethane-d4	50	45.0	90		81	118
		Dibromofluoromethane	50	46.1	92		80	119
		Toluene-d8	50	46.4	93		89	112
		4-Bromofluorobenzene	50	46.8	94		85	114
VX0923WBS03	VX0923WBS03	1,2-Dichloroethane-d4	50	49.0	98		81	118
		Dibromofluoromethane	50	50.7	101		80	119
		Toluene-d8	50	50.6	101		89	112
		4-Bromofluorobenzene	50	51.1	102		85	114
VX0924WBL01	VX0924WBL01	1,2-Dichloroethane-d4	50	49.1	98		81	118
		Dibromofluoromethane	50	47.0	94		80	119
		Toluene-d8	50	48.1	96		89	112
		4-Bromofluorobenzene	50	52.3	105		85	114
VX0924WBS01	VX0924WBS01	1,2-Dichloroethane-d4	50	53.0	106		81	118
		Dibromofluoromethane	50	55.4	111		80	119
		Toluene-d8	50	54.8	109		89	112
		4-Bromofluorobenzene	50	55.7	111		85	114