

Surrogate Summary

SDG No.: O1233

Client: Louis Berger U.S., Inc., A WSP Company

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
O1233-02	B-P34A	1,2-Dichloroethane-d4	50	58.5	117	50	163
		Dibromofluoromethane	50	51.4	103	54	147
		Toluene-d8	50	52.1	104	58	134
		4-Bromofluorobenzene	50	53.8	108	30	143
O1233-03	B-P34B	1,2-Dichloroethane-d4	50	66.4	133	50	163
		Dibromofluoromethane	50	53.5	107	54	147
		Toluene-d8	50	52.7	105	58	134
		4-Bromofluorobenzene	50	56.2	112	30	143
O1233-04	B-P36A	1,2-Dichloroethane-d4	50	49.8	100	50	163
		Dibromofluoromethane	50	47.1	94	54	147
		Toluene-d8	50	51.5	103	58	134
		4-Bromofluorobenzene	50	50.5	101	30	143
O1233-05	B-P36B	1,2-Dichloroethane-d4	50	92.5	185 *	50	163
		Dibromofluoromethane	50	56.1	112	54	147
		Toluene-d8	50	51.5	103	58	134
		4-Bromofluorobenzene	50	60.1	120	30	143
O1233-05RE	B-P36BRE	1,2-Dichloroethane-d4	50	68.1	136	50	163
		Dibromofluoromethane	50	52.3	105	54	147
		Toluene-d8	50	48.9	98	58	134
		4-Bromofluorobenzene	50	45.8	92	30	143
O1233-06	B-P37A	1,2-Dichloroethane-d4	50	50.8	102	50	163
		Dibromofluoromethane	50	48.2	96	54	147
		Toluene-d8	50	51.4	103	58	134
		4-Bromofluorobenzene	50	50.0	100	30	143
O1233-07	B-P37B	1,2-Dichloroethane-d4	50	83.0	166 *	50	163
		Dibromofluoromethane	50	60.1	120	54	147
		Toluene-d8	50	66.9	134	58	134
		4-Bromofluorobenzene	50	48.8	98	30	143
O1233-08	B-P38A	1,2-Dichloroethane-d4	50	90.7	181 *	50	163
		Dibromofluoromethane	50	55.9	112	54	147
		Toluene-d8	50	55.2	110	58	134
		4-Bromofluorobenzene	50	56.9	114	30	143
O1233-08RE	B-P38ARE	1,2-Dichloroethane-d4	50	81.0	162	50	163
		Dibromofluoromethane	50	26.2	52 *	54	147
		Toluene-d8	50	66.0	132	58	134
		4-Bromofluorobenzene	50	43.1	86	30	143
O1233-09	B-P38B	1,2-Dichloroethane-d4	50	74.0	148	50	163
		Dibromofluoromethane	50	54.8	110	54	147
		Toluene-d8	50	54.3	109	58	134
		4-Bromofluorobenzene	50	60.4	121	30	143
O1233-09RE	B-P38BRE	1,2-Dichloroethane-d4	50	59.5	119	50	163
		Dibromofluoromethane	50	48.3	97	54	147
		Toluene-d8	50	56.8	114	58	134
		4-Bromofluorobenzene	50	50.4	101	30	143
O1233-11	B-P38C	1,2-Dichloroethane-d4	50	47.8	96	50	163
		Dibromofluoromethane	50	45.9	92	54	147
		Toluene-d8	50	65.5	131	58	134
		4-Bromofluorobenzene	50	91.1	182 *	30	143
O1233-11DL	B-P38CDL	1,2-Dichloroethane-d4	50	48.6	97	50	163
		Dibromofluoromethane	50	46.9	94	54	147
		Toluene-d8	50	52.4	105	58	134
		4-Bromofluorobenzene	50	56.2	112	30	143



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Surrogate Summary

SDG No.: O1233

Client: Louis Berger U.S., Inc., A WSP Company

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
VD0120SBL04	VD0120SBL04	1,2-Dichloroethane-d4	50	57.2	114	50	163
		Dibromofluoromethane	50	50.7	101	54	147
		Toluene-d8	50	52.1	104	58	134
		4-Bromofluorobenzene	50	53.6	107	30	143
VD0120SBS02	VD0120SBS02	1,2-Dichloroethane-d4	50	56.1	112	50	163
		Dibromofluoromethane	50	53.0	106	54	147
		Toluene-d8	50	53.3	107	58	134
		4-Bromofluorobenzene	50	53.5	107	30	143
VD0123SBL01	VD0123SBL01	1,2-Dichloroethane-d4	50	51.9	104	50	163
		Dibromofluoromethane	50	48.5	97	54	147
		Toluene-d8	50	50.8	102	58	134
		4-Bromofluorobenzene	50	50.5	101	30	143
VD0123SBS01	VD0123SBS01	1,2-Dichloroethane-d4	50	54.9	110	50	163
		Dibromofluoromethane	50	53.1	106	54	147
		Toluene-d8	50	53.7	107	58	134
		4-Bromofluorobenzene	50	51.6	103	30	143
VD0123SBSD01	VD0123SBSD01	1,2-Dichloroethane-d4	50	53.7	107	50	163
		Dibromofluoromethane	50	51.7	103	54	147
		Toluene-d8	50	52.9	106	58	134
		4-Bromofluorobenzene	50	51.2	102	30	143
VN0123MBL01	VN0123MBL01	1,2-Dichloroethane-d4	50	49.9	100	50	163
		Dibromofluoromethane	50	49.5	99	54	147
		Toluene-d8	50	48.9	98	58	134
		4-Bromofluorobenzene	50	44.4	89	30	143
VN0123MBS01	VN0123MBS01	1,2-Dichloroethane-d4	50	52.1	104	50	163
		Dibromofluoromethane	50	51.5	103	54	147
		Toluene-d8	50	50.9	102	58	134
		4-Bromofluorobenzene	50	51.3	103	30	143
VY0123SBL01	VY0123SBL01	1,2-Dichloroethane-d4	50	52.7	105	50	163
		Dibromofluoromethane	50	45.4	91	54	147
		Toluene-d8	50	47.0	94	58	134
		4-Bromofluorobenzene	50	41.2	82	30	143
VY0123SBS01	VY0123SBS01	1,2-Dichloroethane-d4	50	49.4	99	50	163
		Dibromofluoromethane	50	46.3	93	54	147
		Toluene-d8	50	48.5	97	58	134
		4-Bromofluorobenzene	50	44.5	89	30	143



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Surrogate Summary

SDG No.: O1233

Client: Louis Berger U.S., Inc., A WSP Company

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
O1233-12	FB01	1,2-Dichloroethane-d4	50	49.1	98	74	125
		Dibromofluoromethane	50	48.1	96	75	124
		Toluene-d8	50	49.6	99	86	113
		4-Bromofluorobenzene	50	48.0	96	64	133
VN0120WBL01	VN0120WBL01	1,2-Dichloroethane-d4	50	47.5	95	74	125
		Dibromofluoromethane	50	48.7	97	75	124
		Toluene-d8	50	49.7	99	86	113
		4-Bromofluorobenzene	50	45.5	91	64	133
VN0120WBS01	VN0120WBS01	1,2-Dichloroethane-d4	50	49.0	98	74	125
		Dibromofluoromethane	50	50.3	101	75	124
		Toluene-d8	50	50.7	101	86	113
		4-Bromofluorobenzene	50	50.9	102	64	133
VN0120WBSD0	VN0120WBSD01	1,2-Dichloroethane-d4	50	51.3	103	74	125
		Dibromofluoromethane	50	52.0	104	75	124
		Toluene-d8	50	51.4	103	86	113
		4-Bromofluorobenzene	50	53.4	107	64	133