

Surrogate Summary

SDG No.: **Q3788**

Client: **JACOBS Engineering Group, Inc.**

Analytical Method: **SW8260-Low**

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q3788-01	OWBR-05-135-120525	1,2-Dichloroethane-d4	50	52.2	104		70 (74)	130 (125)
		Dibromofluoromethane	50	44.1	88		70 (75)	130 (124)
		Toluene-d8	50	45.1	90		70 (86)	130 (113)
		4-Bromofluorobenzene	50	56.4	113		70 (77)	130 (121)
Q3788-02MS	OWBR-05-135-120525MS	1,2-Dichloroethane-d4	50	47.4	95		70 (74)	130 (125)
		Dibromofluoromethane	50	43.6	87		70 (75)	130 (124)
		Toluene-d8	50	43.6	87		70 (86)	130 (113)
		4-Bromofluorobenzene	50	47.1	94		70 (77)	130 (121)
Q3788-03MSD	OWBR-05-135-120525MSD	1,2-Dichloroethane-d4	50	56.6	113		70 (74)	130 (125)
		Dibromofluoromethane	50	50.7	101		70 (75)	130 (124)
		Toluene-d8	50	49.3	99		70 (86)	130 (113)
		4-Bromofluorobenzene	50	53.0	106		70 (77)	130 (121)
Q3788-07	OW-01B-66.5-120525	1,2-Dichloroethane-d4	50	57.5	115		70 (74)	130 (125)
		Dibromofluoromethane	50	46.7	93		70 (75)	130 (124)
		Toluene-d8	50	47.2	94		70 (86)	130 (113)
		4-Bromofluorobenzene	50	60.4	121		70 (77)	130 (121)
Q3788-09	BR-05-465-120525	1,2-Dichloroethane-d4	50	64.1	128		70 (74)	130 (125)
		Dibromofluoromethane	50	37.2	74		70 (75)	130 (124)
		Toluene-d8	50	44.7	89		70 (86)	130 (113)
		4-Bromofluorobenzene	50	39.0	78		70 (77)	130 (121)
Q3788-09RE	BR-05-465-120525RE	1,2-Dichloroethane-d4	50	57.5	115		70 (74)	130 (125)
		Dibromofluoromethane	50	35.5	71		70 (75)	130 (124)
		Toluene-d8	50	46.9	94		70 (86)	130 (113)
		4-Bromofluorobenzene	50	61.5	123		70 (77)	130 (121)
Q3788-11	MW-16B-87.5-120525	1,2-Dichloroethane-d4	50	59.4	119		70 (74)	130 (125)
		Dibromofluoromethane	50	47.2	94		70 (75)	130 (124)
		Toluene-d8	50	35.5	71		70 (86)	130 (113)
		4-Bromofluorobenzene	50	43.8	88		70 (77)	130 (121)
Q3788-11RE	MW-16B-87.5-120525RE	1,2-Dichloroethane-d4	50	56.2	112		70 (74)	130 (125)
		Dibromofluoromethane	50	47.4	95		70 (75)	130 (124)
		Toluene-d8	50	47.6	95		70 (86)	130 (113)
		4-Bromofluorobenzene	50	61.0	122		70 (77)	130 (121)
Q3788-13	TB01-120525	1,2-Dichloroethane-d4	50	55.4	111		70 (74)	130 (125)
		Dibromofluoromethane	50	46.5	93		70 (75)	130 (124)
		Toluene-d8	50	47.3	95		70 (86)	130 (113)
		4-Bromofluorobenzene	50	58.7	117		70 (77)	130 (121)
VX1208WBL01	VX1208WBL01	1,2-Dichloroethane-d4	50	49.5	99		70 (74)	130 (125)
		Dibromofluoromethane	50	46.0	92		70 (75)	130 (124)
		Toluene-d8	50	45.2	90		70 (86)	130 (113)
		4-Bromofluorobenzene	50	55.8	112		70 (77)	130 (121)
VX1208WBS01	VX1208WBS01	1,2-Dichloroethane-d4	50	56.7	113		70 (74)	130 (125)
		Dibromofluoromethane	50	50.4	101		70 (75)	130 (124)
		Toluene-d8	50	50.6	101		70 (86)	130 (113)
		4-Bromofluorobenzene	50	58.8	118		70 (77)	130 (121)
VX1209WBL01	VX1209WBL01	1,2-Dichloroethane-d4	50	56.0	112		70 (74)	130 (125)
		Dibromofluoromethane	50	45.5	91		70 (75)	130 (124)
		Toluene-d8	50	46.6	93		70 (86)	130 (113)
		4-Bromofluorobenzene	50	57.6	115		70 (77)	130 (121)
VX1209WBS02	VX1209WBS02	1,2-Dichloroethane-d4	50	46.5	93		70 (74)	130 (125)
		Dibromofluoromethane	50	44.7	89		70 (75)	130 (124)

() = LABORATORY INHOUSE LIMIT

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Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
VX1209WBS02	VX1209WBS02	Toluene-d8	50	45.0	90		70 (86)	130 (113)
		4-Bromofluorobenzene	50	46.4	93		70 (77)	130 (121)
VX1210WBL01	VX1210WBL01	1,2-Dichloroethane-d4	50	51.4	103		70 (74)	130 (125)
		Dibromofluoromethane	50	45.2	90		70 (75)	130 (124)
		Toluene-d8	50	46.7	93		70 (86)	130 (113)
		4-Bromofluorobenzene	50	57.2	114		70 (77)	130 (121)
VX1210WBS01	VX1210WBS01	1,2-Dichloroethane-d4	50	54.9	110		70 (74)	130 (125)
		Dibromofluoromethane	50	50.9	102		70 (75)	130 (124)
		Toluene-d8	50	49.2	98		70 (86)	130 (113)
		4-Bromofluorobenzene	50	53.7	107		70 (77)	130 (121)

