CruiseID	Station ID	Sample ID	Bottle Number	SubSample ID	Sample Date	Sample Team	Sample Matrix	Time Deployed	Time Collected	Sample Depth	Sample Sheen	DO_LaMotte DO_LaMotte	DO_Probe DO_Probe	LISST LISST	FluorFix FluorFix	TOX_8oz TOX_8oz	TPH_1L TPH_1L	VOA_40ml VOA_40ml	NRDA TPH NRDA TPH	NRDA VOA NRDA VOA	micro/omics micro/omics	Notes Notes	TOX_8oz	TPH_1L	VOA_40ml	NRDA TPH	NRDA VOA	micro/omics	Notes
05-30-2010_Brooks McCall	BM53	BM5301	01	01	5/30/2010	*	water	12:42	13:03	1508.7	**	nd	nd	yes	yes		yes	yes				* Sample Teams							
05-30-2010_Brooks McCall	BM53	BM5301	01	02	5/30/2010		water	12:42	13:03	1508.7		nd	nd	yes	yes		yes	yes	GU2888-A0530-W6506	GU2888-A0530-W6506		TPH _1L; VOA_40ml = Entrex							
05-30-2010_Brooks McCall	BM53	BM5301	02	01	5/30/2010		water	12:42	13:03	1508.7		nd	nd			yes						NRDA samples collected by Kevin Cranna, to be shipped to alpha analytical							
05-30-2010_Brooks McCall	BM53	BM5301	03	01	5/30/2010		water	12:42	12:58	1508.7		nd	nd									LISST;FluorFix collected by Fisheries and Oceans Canada, Brian Robinson; Jay Bugden							
05-30-2010_Brooks McCall	BM53	BM5301	03	02	5/30/2010		water	12:42	12:58	1508.7		nd	nd						GU2888-A0530-W6505	GU2888-A0530-W6505		Tox_8oz = EMA; Shane Johnson							
05-30-2010_Brooks McCall	BM53	BM5301	04	01	5/30/2010		water	12:42	12:58	1219		nd	nd			yes						micro/omics = LBL Regina Lamendella and Julian Fortney							
05-30-2010_Brooks McCall	BM53	BM5301	05	01	5/30/2010		water	12:42	12:53	1219		nd	nd	yes	yes		yes	yes											
05-30-2010_Brooks McCall	BM53	BM5301	05	02	5/30/2010		water	12:42	12:53	1219		nd	nd	yes	yes		yes	yes	GU2888-A0530-W6504	GU2888-A0530-W6504									
05-30-2010_Brooks McCall	BM53	BM5301	06	01	5/30/2010		water	12:42	12:53	999		nd	nd			yes						** all samples exhibited sheen							
05-30-2010_Brooks McCall	BM53	BM5301	07	01	5/30/2010		water	12:42	12:48	999		nd	nd	yes	yes		yes	yes											
05-30-2010_Brooks McCall	BM53	BM5301	07	02	5/30/2010		water	12:42	12:48	999		nd	nd	yes	yes		yes	yes	GU2888-A0530-W6503	GU2888-A0530-W6503									
05-30-2010_Brooks McCall	BM53	BM5301	08	01	5/30/2010		water	12:42	12:48	499		nd	nd			yes													
05-30-2010_Brooks McCall	BM53	BM5301	09	01	5/30/2010		water	12:42	12:43	499		nd	nd	yes	yes		yes	yes											
05-30-2010_Brooks McCall	BM53	BM5301	09	02	5/30/2010		water	12:42	12:43	499		nd	nd	yes	yes		yes	yes	GU2888-A0530-W6502	GU2888-A0530-W6502									
05-30-2010_Brooks McCall	BM53	BM5301	10	01	5/30/2010		water	12:42	12:43	2		nd	nd			yes													
05-30-2010_Brooks McCall	BM53	BM5301	11	01	5/30/2010		water	12:42	12:38	2		nd	nd	yes	yes		yes	yes											
05-30-2010_Brooks McCall	BM53	BM5301	11	02	5/30/2010		water	12:42	12:38	2		nd	nd	yes	yes		yes	yes	GU2888-A0530-W6501	GU2888-A0530-W6501									
05-30-2010_Brooks McCall	BM53	BM5301	12	01	5/30/2010		water	12:42	12:38	surface		nd	nd	yes	yes	yes	yes	yes											
05-30-2010_Brooks McCall	BM54	BM5401	01	01	5/30/2010		water	14:55	15:47	1529		nd	nd	yes	yes		yes	yes											
05-30-2010_Brooks McCall	BM54	BM5401	01	02	5/30/2010		water	14:55	15:47	1529		nd	nd	yes	yes		yes	yes	GU2888-A0530-W6511	GU2888-A0530-W6511									
05-30-2010_Brooks McCall	BM54	BM5401	02	01	5/30/2010		water	14:55	15:47	1529		nd	nd																
05-30-2010_Brooks McCall	BM54	BM5401	03	01	5/30/2010		water	14:55	15:43	1529		nd	nd	yes	yes		yes	yes											
05-30-2010_Brooks McCall	BM54	BM5401	03	02	5/30/2010		water	14:55	15:43	1194		nd	nd	yes	yes		yes	yes	GU2888-A0530-W6510	GU2888-A0530-W6510									
05-30-2010_Brooks McCall	BM54	BM5401	04	01	5/30/2010		water	14:55	15:43	1194		nd	nd																
05-30-2010_Brooks McCall	BM54	BM5401	05	01	5/30/2010		water	14:55	15:36	849		nd	nd	yes	yes		yes	yes											
05-30-2010_Brooks McCall	BM54	BM5401	5	02	5/30/2010		water	14:55	15:36	849		nd	nd	yes	yes		yes	yes	GU2888-A0530-W6509	GU2888-A0530-W6509									
05-30-2010_Brooks McCall	BM54	BM5401	06	01	5/30/2010		water	14:55	15:36	849		nd	nd																
05-30-2010_Brooks McCall	BM54	BM5401	07	01	5/30/2010		water	14:55	15:31	499		nd	nd	yes	yes		yes	yes											
05-30-2010_Brooks McCall	BM54	BM5401	7	02	5/30/2010		water	14:55	15:31	499		nd	nd	yes	yes		yes	yes	GU2888-A0530-W6508	GU2888-A0530-W6508									
05-30-2010_Brooks McCall	BM54	BM5401	08	01	5/30/2010		water	14:55	15:31	499		nd	nd																
05-30-2010_Brooks McCall	BM54	BM5401	09	01	5/30/2010		water	14:55	15:25	2		nd	nd	yes	yes		yes	yes											
05-30-2010_Brooks McCall	BM54	BM5401	09	02	5/30/2010		water	14:55	15:25	2		nd	nd	yes	yes		yes	yes	GU2888-A0530-W6507	GU2888-A0530-W6507									
05-30-2010_Brooks McCall	BM54	BM5401	10	01	5/30/2010		water	14:55	15:25	2		nd	nd																
05-30-2010_Brooks McCall	BM54	BM5401	11	01	5/30/2010		water	14:55	15:25	2		nd	nd																
05-30-2010_Brooks McCall	BM54	BM5401	12	12	5/30/2010		water	14:55	15:25	surface		nd	nd	yes	yes		yes	yes											
05-30-2010_Brooks McCall	BM55	BM5501	01	01	5/30/2010		water	16:30	18:06	1324		nd	nd	yes	yes		yes	yes											
05-30-2010_Brooks McCall	BM55	BM5501	1	02	5/30/2010		water	16:30	18:06	1324		nd	nd	yes	yes		yes	yes	GU2888-A0530-W6516	GU2888-A0530-W6516									
05-30-2010_Brooks McCall	BM55	BM5501	02	02	5/30/2010		water	16:30	18:06	1324		nd	nd																
05-30-2010_Brooks McCall	BM55	BM5501	03	01	5/30/2010		water	16:30	18:00	1073		nd	nd	yes	yes		yes	yes											
05-30-2010_Brooks McCall	BM55	BM5501	3	02	5/30/2010		water	16:30	18:00	1073		nd	nd	yes	yes		yes	yes	GU2888-A0530-W6515	GU2888-A0530-W6515									
05-30-2010_Brooks McCall	BM55	BM5501	04	01	5/30/2010		water	16:30	18:00	1073		nd	nd																
05-30-2010_Brooks McCall	BM55	BM5501	05	01	5/30/2010		water	16:30	17:56	919		nd	nd	yes	yes		yes	yes											
05-30-2010_Brooks McCall	BM55	BM5501	5	02	5/30/2010		water	16:30	17:56	919		nd	nd	yes	yes		yes	yes	GU2888-A0530-W6514	GU2888-A0530-W6514									
05-30-2010_Brooks McCall	BM55	BM5501	06	01	5/30/2010		water	16:30	17:56	919		nd	nd																
05-30-2010_Brooks McCall	BM55	BM5501	07	01	5/30/2010		water	16:30	17:56	449		nd	nd	yes	yes		yes	yes											
05-30-2010_Brooks McCall	BM55	BM5501	7	02	5/30/2010		water	16:30	17:52	449		nd	nd	yes	yes		yes	yes	GU2888-A0530-W6513	GU2888-A0530-W6513									
05-30-2010_Brooks McCall	BM55	BM5501	08	01	5/30/2010		water	16:30	17:52	449		nd	nd																
05-30-2010_Brooks McCall	BM55	BM5501	09	01	5/30/2010		water	16:30	17:45	2		nd	nd	yes	yes		yes	yes											
05-30-2010_Brooks McCall	BM55	BM5501	9	02	5/30/2010		water	16:30	17:45	2		nd	nd	yes	yes		yes	yes	GU2888-A0530-W6512	GU2888-A0530-W6512		NRDA samples collected by Kevin Cranna, to be shipped to alpha analytical							
05-30-2010_Brooks McCall	BM55	BM5501	10	01	5/30/2010		water	16:30	17:45	2		nd	nd																
05-30-2010_Brooks McCall	BM55	BM5501	11	01	5/30/2010		water	16:30	17:45	2		nd	nd																
05-30-2010_Brooks McCall	BM55	BM5501	12	01	5/30/2010		water	16:30	17:45	surface		nd	nd	yes	yes		yes	yes											

micro
entrex

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Field Name	Required?	Description	Formatting Requirements	
CruiseID	Yes	A unique identifier for the cruise or at-sea operating period. If you are on a vessel that is not listed here email the shore side data manager for the exact vessel name to be utilized	<Cruise Start Date (in the format MM-DD-YYYY)>_<Vessel Name> Vessel Name must equal exactly:Brooks McCall, Gordon Gunther, Ocean Veritas, Walton Smith, Thomas Jefferson	
StationID	Yes	Unique identifier of the location at which samples are collected and measurements are made. Use BM for Brooks McCall, OV for Ocean Veritas, GG for Gordon Gunther, WS for Walton Smith, TJ for Thomas Jefferson	The first Letter of the first two words in the vessel name + three digit Sequential Number; this value must exist in the Locations Data Table Ex: OV001, BM023	
SampleID	Yes	Sample ID (composed of StationID + Niskin bottle # + SubsampleID). Note that the lower the bottle number, the greater the depth.	<StationID> + <Niskin bottle #> + <Subsample number> Ex: B421001	
SubsampleID	Yes	Used to indicate the number of bottles used within one Niskin Bottle (1,2,3,4)	1,2,3,4,5,6,7,8,9,	
SampleDate	Yes	Date that the sample collected in the format MM/DD/YYYY.	MM/DD/YYYY	
SampleTeam	Yes	Group, agency or organization that collected samples.	Free Text	
SampleMatrix	Yes	Matrix of the sample that is collected.	Valid Values: Oil or Water	
BottleNumber	No	Two digit Number of Niskin bottle that sample is drawn from. As the depth increases the bottle number increases. For the surface sample use 99.	Numeric - two digits Ex: 01, 02, 03, 99	
TimeDeployed	Yes	Time, in the format HH:MM, when the Niskin rosette sampler is deployed from the ship.The time needs to come from the CDT Bottle (.BTD) file and be GMT.	HH:MM	
TimeCollected	Yes	Time, in the format HH:MM, when the Niskin bottle fires and the water sample is collected. The time needs to come from the CDT Bottle (.BTD) file and be GMT.	HH:MM	
SampleDepth	Yes	Depth, in meters, at which the Niskin bottle triggered, based on the CTD measurements. Only put in numeric value	Numeric (Don't put in depth units)	
SampleSheen	Yes	Indication of the level of sheen that was observed by the sampling crew on the surface of the niskin water bottle.	Valid Values: None, Slight, Heavy	
DO_LaMotte	Yes	Value for Dissolved Oxygen, in mg/L, of the sample as measured by a ship-board LaMotte 5860 Colormetric Dissolved Oxygen test kit.	Numeric	
DO_Probe	Yes	Value for Dissolved Oxygen, in mg/L, of the sample as measured by a ship-board XTech DO700 Handheld Probe.	Numeric	
LISST	Yes	Indication whether or not related samples were collected for LISST analysis.	Valid Values: Yes or No	
TOX_8oz	Yes	Indication whether or not related samples were collected for Rototox analysis	Valid Values: Yes or No	
TPH_1L	Yes	Indication whether or not related samples were collected for Total Polycyclic Aromatic Hydrocarbon analysis.	Valid Values: Yes or No	UV/Vis method
VOA_40ml	Yes	Indication whether or not related samples were collected for Volatile Organics analysis.	Valid Values: Yes or No	8260+20TIC mehtod 8015 8270 modified
SampleComments	Yes	Comments on sample that was collected	Free Text	

Station	BM53				
Sample or Cast	BM5301				
Bottle	BM530101 , 11 from CTD and 12 is a surface bucket				
Chemistry	BM53010101	odd numbers (1,3,5,7,9)	VOC, TPH	? What else	LSST, Fluorometry
Biology	BM53010102	even numbers (2,4,6,8,10)	Rototox, Micro/omics		

11 from CTD is extra
12 is a bucket sample from surface, also designated at 99

CruiseID	StationID	SampleID	BottleNumber	SubSampleID	SampleDate	SampleTeam	SampleMatrix	TimeDeployed	TimeCollected	SampleDepth	SampleSheen	DO_LaMotte	DO_Probe	LISST	TOX_8oz	TPH_1L	VOA_40ml	Notes