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THE MEMPHIS DEPOT
TENNESSEE

ADMINISTRATIVE RECORD
COVER SHEET

AR File Number 358

File: 541.460d
C.G.

358 1 358

TECHNICAL MEMORANDUM CH2MHILL

Passive Soil Gas Survey at Dunn Field

PREPARED FOR: Dorothy Richards, CEHNC

PREPARED BY: Tom Beisel

DATE: September 16, 1998

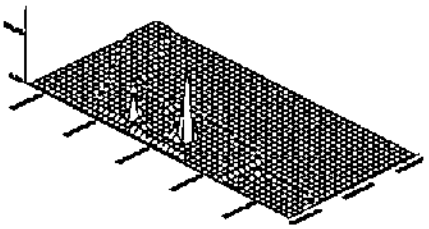
DRAFT

To assist in better locating the VOC sources to groundwater from the Dunn Field disposal areas a passive soil gas survey was performed at Dunn Field. The survey was performed using passive soil gas modules placed to a depth of three feet over a grid based on 50-foot centers. The zones surveyed include: all of Area B as defined in the ASR, a portion of Area A associated with the mustard disposal site, and a band along the northern fence line of Area C.

The passive soil gas modules in Area B were analyzed for chlorinated VOCs and chemical warfare materiel (CWM) breakdown products around the CWM disposal area. The Area A soil gas modules installed around the mustard disposal areas were analyzed for CWM breakdown products and chlorinated VOCs. The soil gas modules installed along the fence line of Area C were analyzed for chlorinated VOCs. The analytical results of the passive soil gas survey are presented on the attached figures and tables.

PCE

DRAFT



282000
281500
281000
280500
280000

802000 802500 803000

MDL = max detection limit

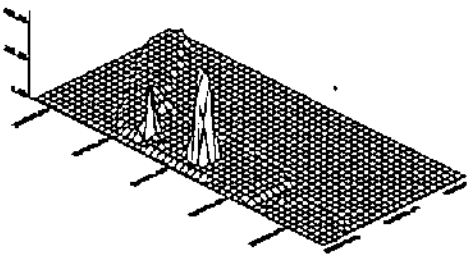
High MPL (> 3.0)

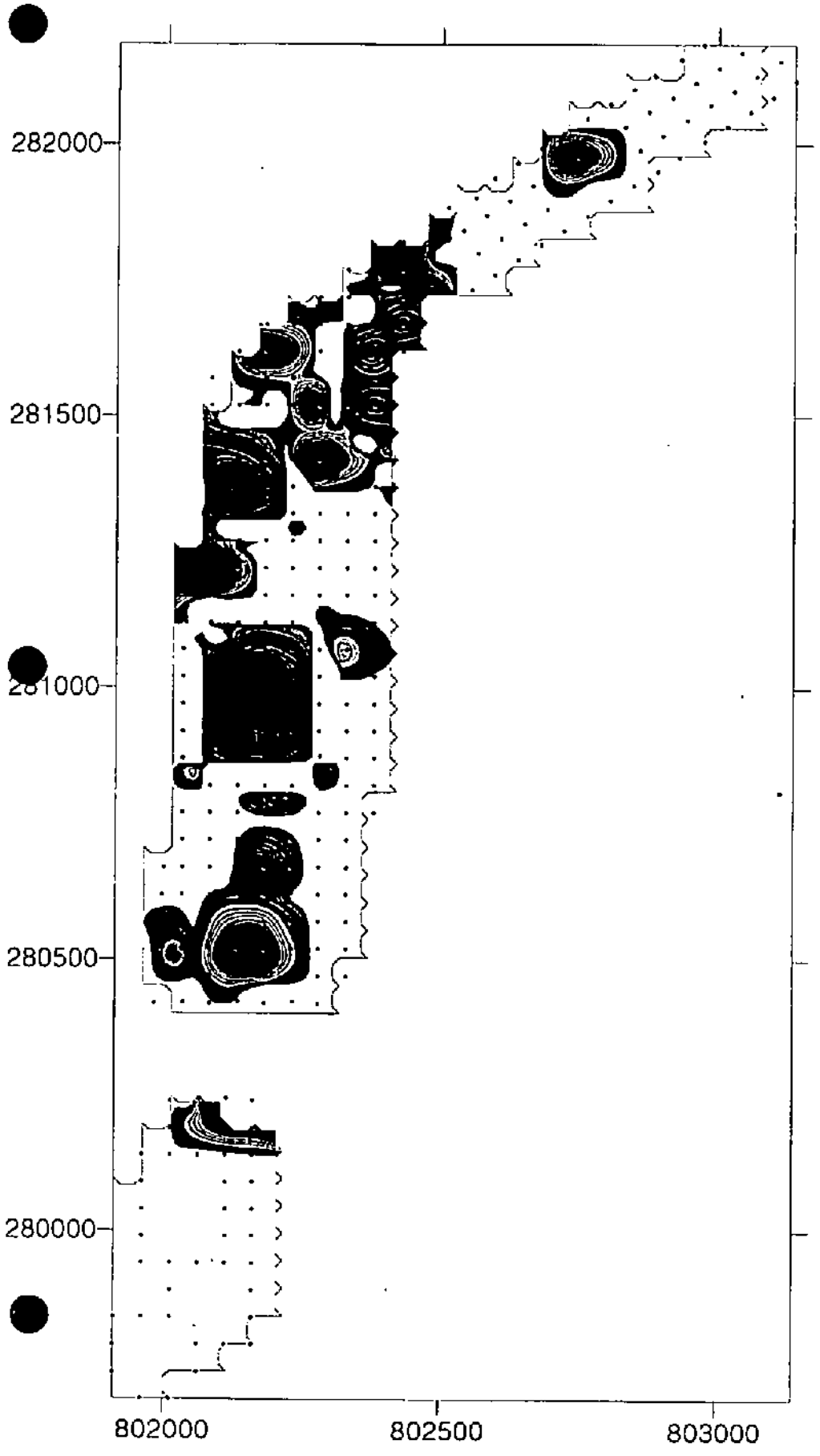
Moderate MPL (0.3 → 3.0)

Low MPL (0.03 → 0.3)

TCE

DRAFT





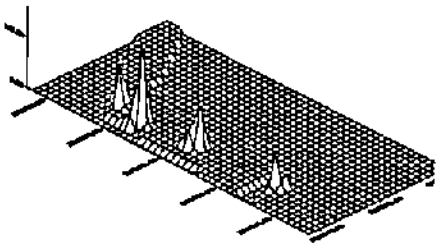
High MPL (>3.0)

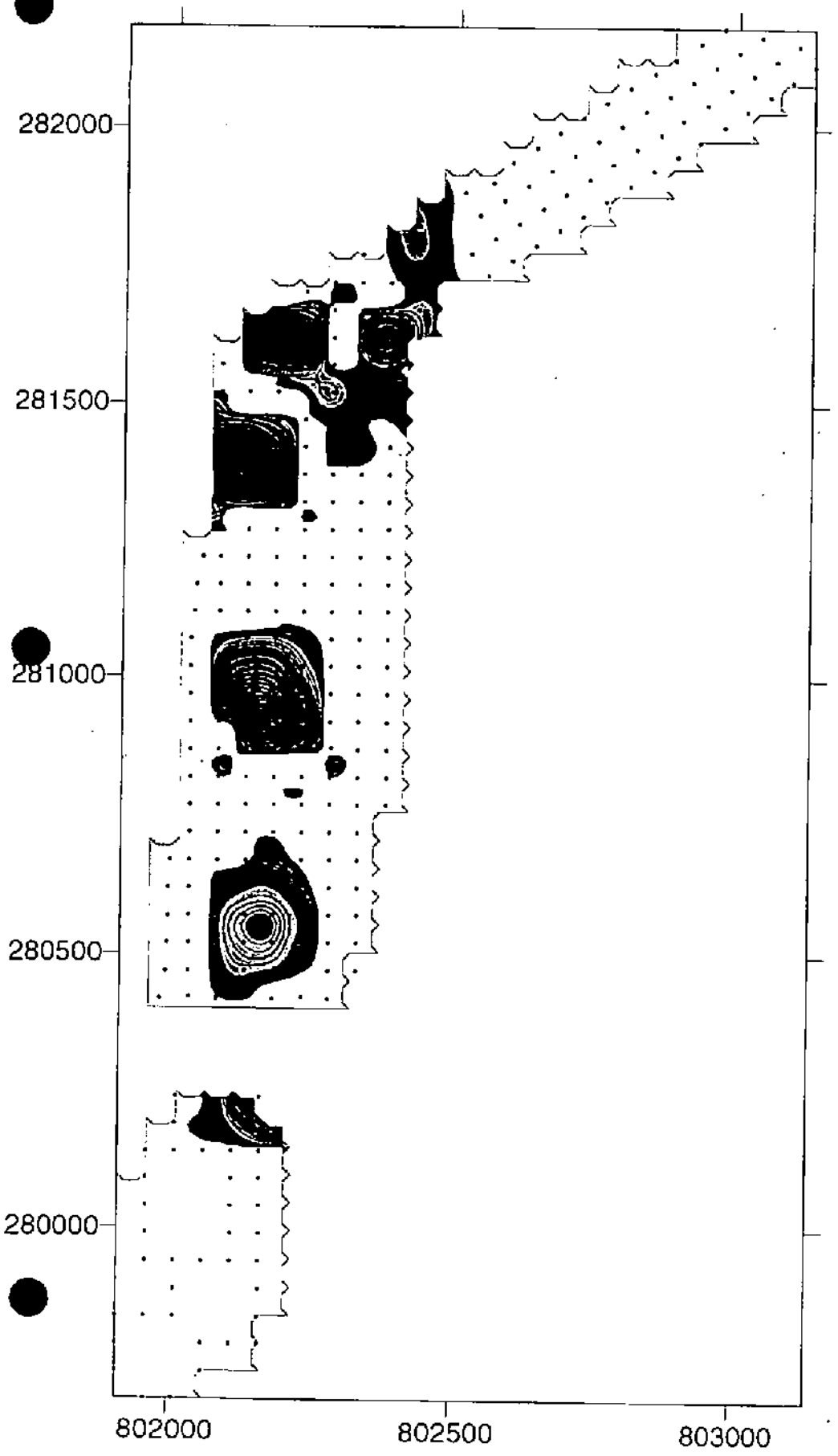
Moderate MPL (0.3 → 3.(

Low MPL (0.03 → 0.3)

DCE

DRAFT





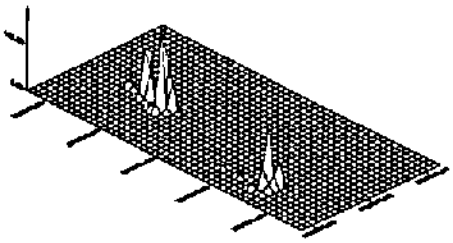
High MPL (>3.0)

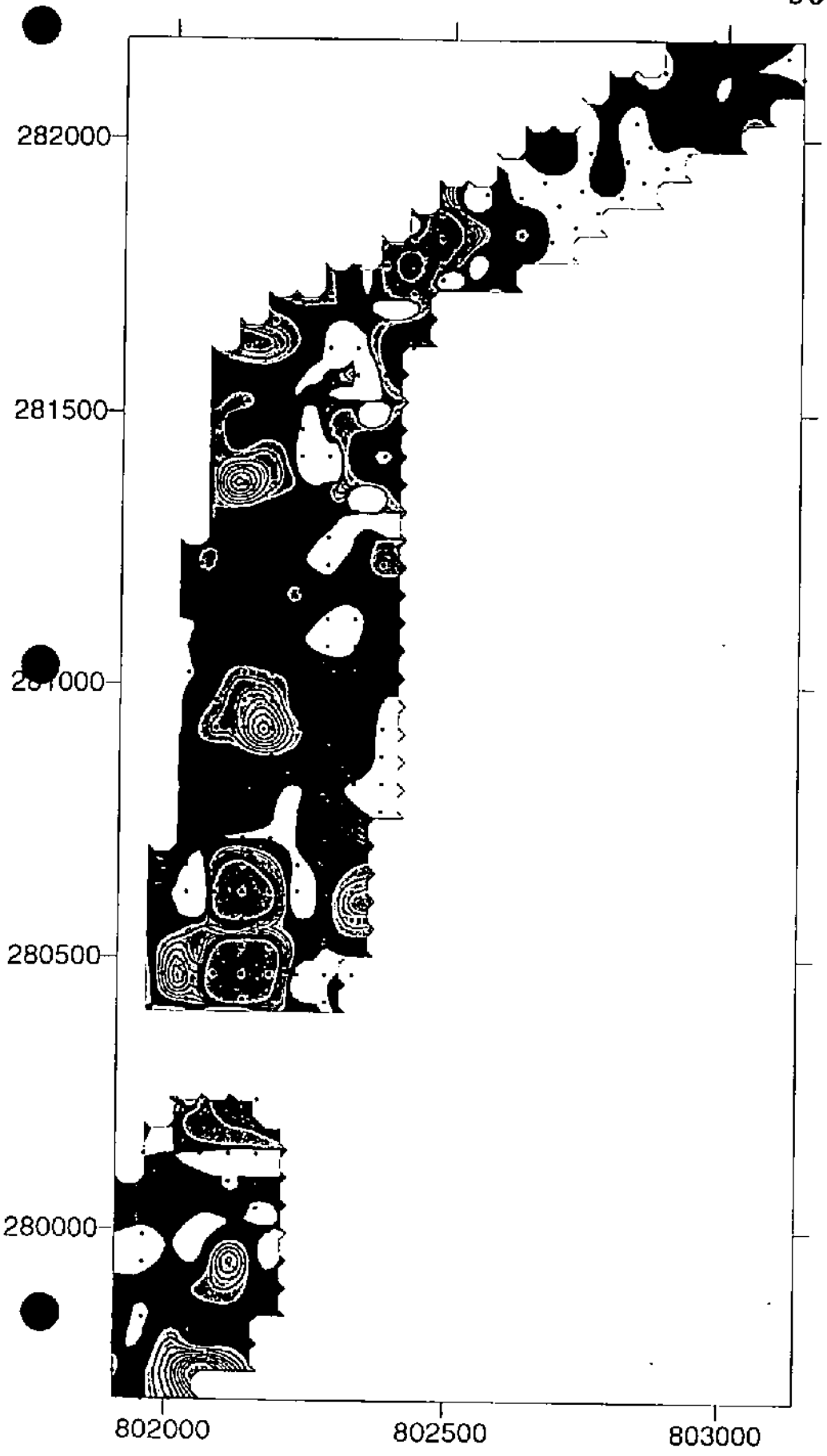
Moderate MPL (0.2 > 3.0

Low MPL (0.02 > 0.2)

CHCl3

DRAFT





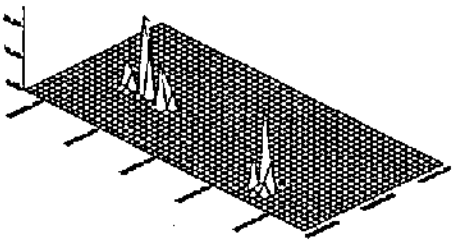
High MPL (> 1.0)

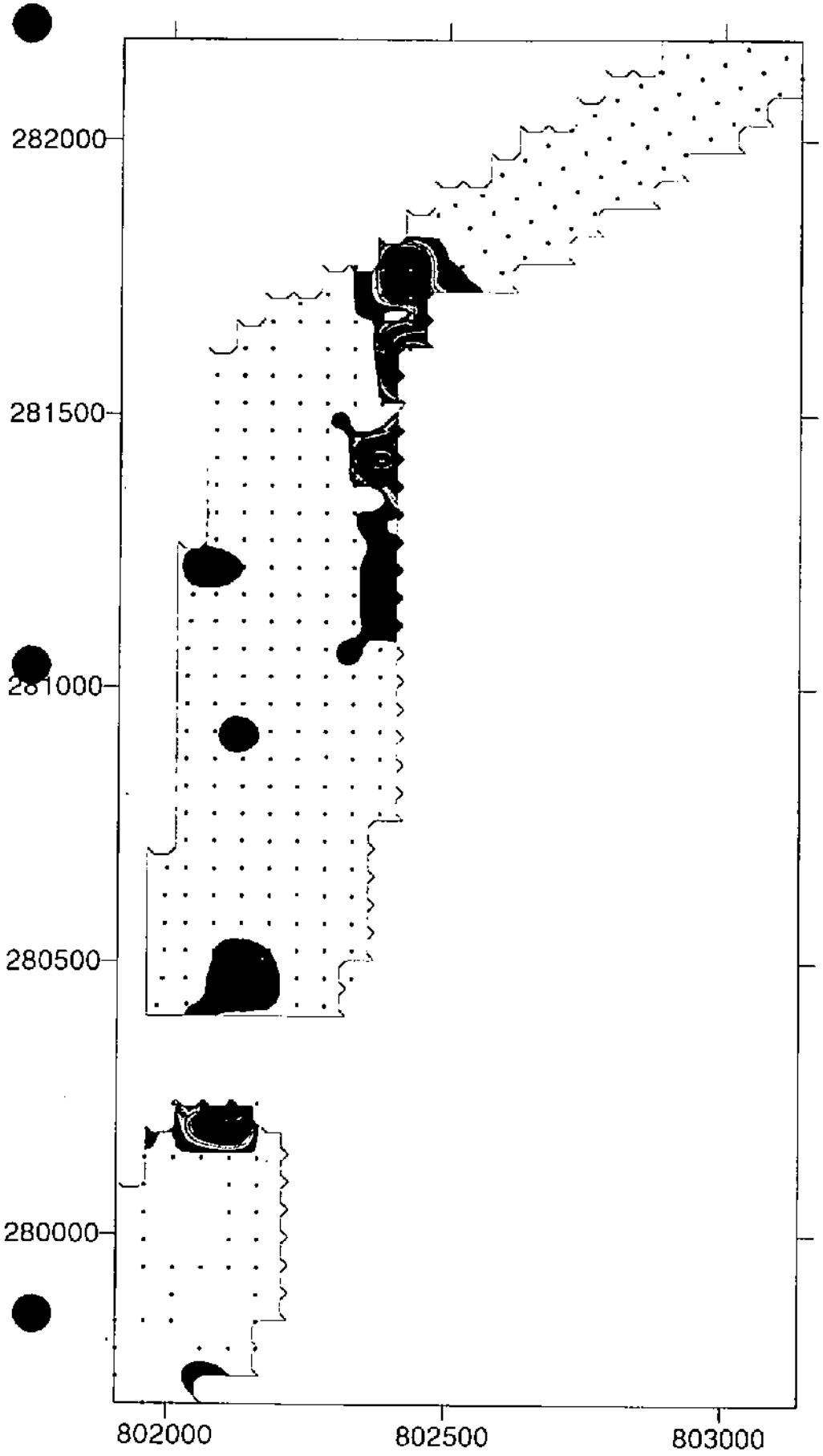
Moderate MPL (0.1 > 1.0)

Low MPL (0.01 > 0.1)

CCl4

DRAFT



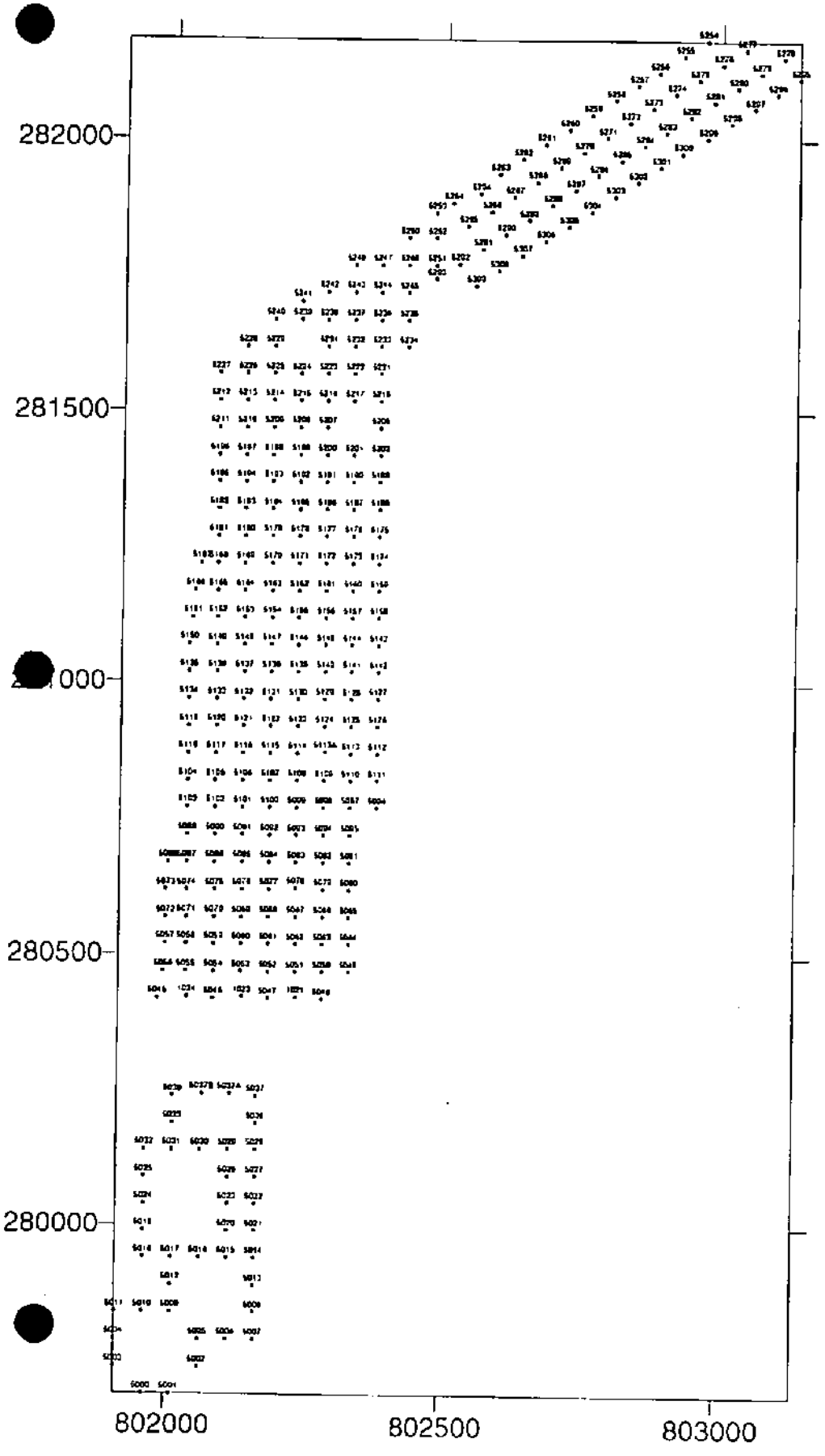


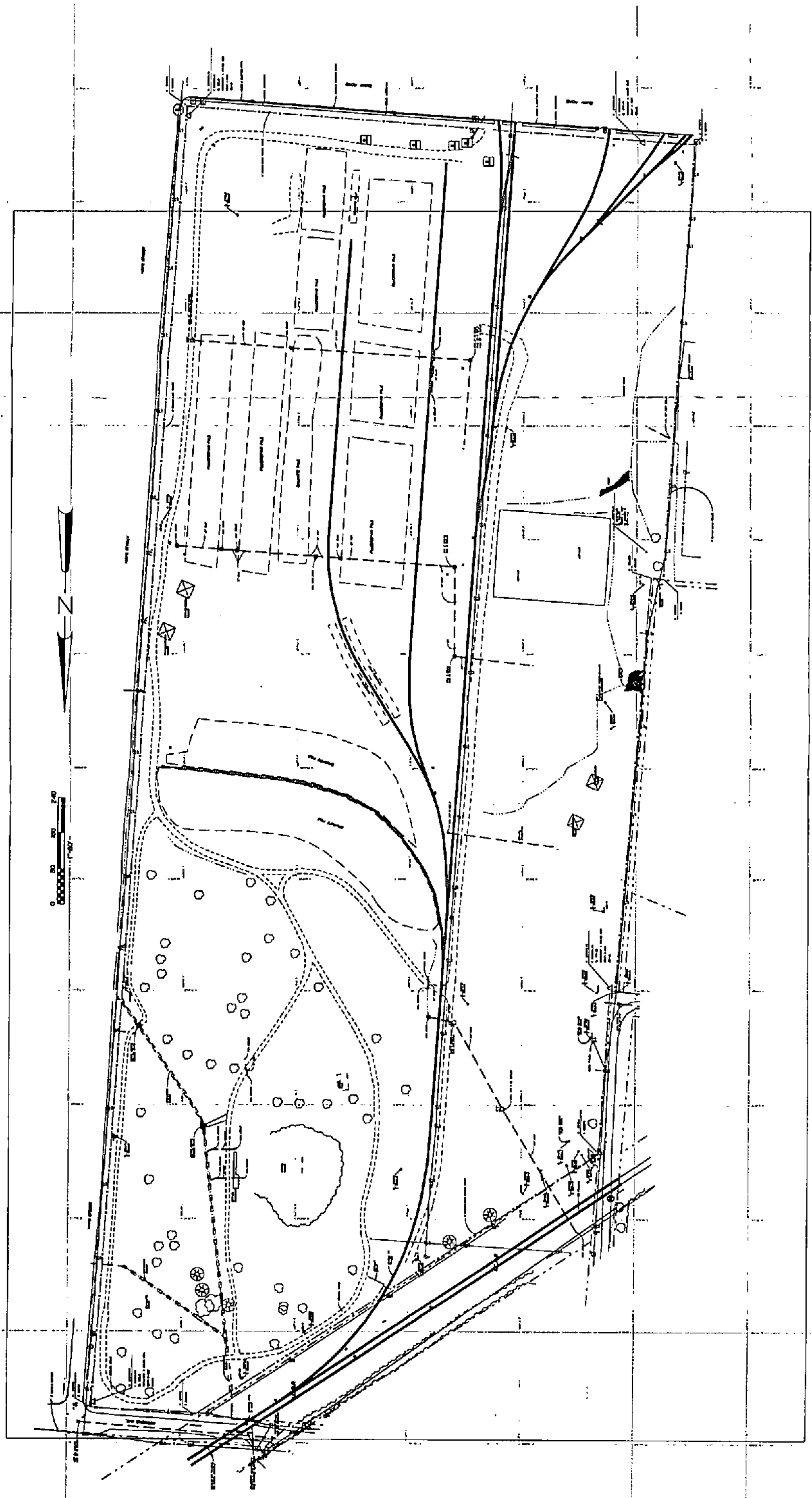
High MPL (2.0 ->)

Moderate MPL (0.2 -> 2.0)

Low MPL (0.02 -> 0.2)

Passive Soil Gas Sample Locations





GORE SORBER SCREENING SURVEY ANALYTICAL RESULTS
CHEMICAL AGENT BREAKDOWN PRODUCTS
DUNN FIELD
DEFENSE DISTRIBUTION DEPOT
MEMPHIS, TENNESSEE

3589

LOCATION	SAMPLE NAME	Dimethyl disulfide, ug	DMMP, ug	1,4-Thioxane, ug	DIMP, ug	1,4-Dithiane, ug	Mustard, ug	Thiodiglycol, ug	Benzothiazole, ug	4-CA, ug	p-CPMSfd, ug	2-CA, ug	p-CPMSfxd, ug	p-CPMSfn, ug
	MDL=	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5188	165630	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5223	165704	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5205	165707	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5218	165708	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5221	165709	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.02
5222	165720	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5217	165721	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5216	165723	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5207	165727	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5191	165733	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5190	165734	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5189	165735	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5033	165736	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5038	165737	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5031	165738	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5032	165739	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5030	165740	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5029	165741	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5005	165742	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5006	165743	0.04	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5009	165744	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5012	165745	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5017	165746	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5000	165747	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5001	165748	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5003	165749	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1024	165750	0.10	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.03	nd	nd
5036	165751	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5002	165775	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5201	165776	nd	nd	nd	nd	nd	nd	nd	0.01	nd	nd	nd	nd	nd
5200	165777	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5026	165781	nd	nd	0.02	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5027	165782	0.03	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5022	165783	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5021	165784	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.01	nd	nd
5014	165785	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5013	165786	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5008	165787	0.01	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5007	165788	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5002	165789	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5004	165790	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5010	165791	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5018	165792	0.04	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5019	165793	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5024	165794	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5025	165795	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5011	165796	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5015	165797	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5020	165798	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5023	165799	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5028	165800	0.02	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5029	165801	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5037A	165802	0.03	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.01	nd	nd
5037B	165803	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd

GORE SORBER SCREENING SURVEY ANALYTICAL RESULTS
CHLORINATED VOCs AND SVOCs
DUNN FIELD
DEFENSE DISTRIBUTION DEPOT
MEMPHIS, TENNESSEE

DRAFT

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LOCATION	SAMPLE	ct12DCE, ug	t12DCE, ug	c12DCE, ug	~~t,2-DCE Total~~	VC, ug	11DCE, ug	11DCA, ug	CHCl3, ug	111TCA, ug	12DCA, ug	CCl4, ug	TCE, ug	12TCA, ug	PCE, ug
1021	165681	nd	nd	nd	nd	nd	nd	nd	0.06	nd	nd	nd	nd	nd	nd
1023	165619	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1024	165550	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5000	165747	nd	nd	nd	nd	nd	nd	nd	0.16	nd	nd	nd	nd	nd	nd
5001	165746	nd	nd	nd	nd	nd	nd	nd	0.42	nd	nd	nd	nd	nd	nd
5002	165789	nd	nd	nd	nd	nd	nd	nd	1.37	nd	nd	0.10	nd	nd	0.09
5003	165749	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5004	165790	nd	nd	nd	nd	nd	nd	nd	0.04	nd	nd	nd	nd	nd	nd
5005	165742	nd	nd	nd	nd	nd	nd	nd	0.10	nd	nd	nd	nd	nd	0.06
5006	165743	nd	nd	nd	nd	nd	nd	nd	0.17	nd	nd	nd	nd	nd	nd
5007	165788	nd	nd	nd	nd	nd	nd	nd	0.04	nd	nd	nd	nd	nd	nd
5008	165787	nd	nd	nd	nd	nd	nd	nd	0.13	nd	nd	nd	nd	nd	nd
5009	165744	nd	nd	nd	nd	nd	nd	nd	0.11	nd	nd	nd	nd	nd	nd
5010	165791	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5011	165786	nd	nd	nd	nd	nd	nd	nd	0.08	nd	nd	nd	nd	nd	nd
5012	165745	nd	nd	nd	nd	nd	nd	nd	0.11	nd	nd	nd	nd	nd	nd
5013	165786	nd	nd	nd	nd	nd	nd	nd	0.15	nd	nd	nd	nd	nd	nd
5014	165785	nd	nd	nd	nd	nd	nd	nd	0.04	nd	nd	nd	nd	nd	nd
5015	165797	nd	nd	nd	nd	nd	nd	nd	0.73	nd	nd	nd	nd	nd	nd
5016	165741	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5017	165746	nd	nd	nd	nd	nd	nd	nd	0.04	nd	nd	nd	nd	nd	nd
5018	165792	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5019	165793	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5020	165798	nd	nd	nd	nd	nd	nd	nd	0.06	nd	nd	nd	nd	nd	bdl
5021	165784	nd	nd	nd	nd	nd	nd	nd	0.03	nd	nd	nd	nd	nd	nd
5022	165783	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.13
5023	165799	nd	nd	nd	nd	nd	nd	nd	0.05	nd	nd	nd	nd	nd	nd
5024	165794	nd	nd	nd	nd	nd	nd	nd	0.07	nd	nd	nd	nd	nd	nd
5025	165795	nd	nd	nd	nd	nd	nd	nd	0.14	nd	nd	nd	nd	nd	nd
5026	165800	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5027	165782	nd	nd	nd	nd	nd	0.04	nd	0.09	nd	nd	nd	nd	nd	0.06
5028	165781	nd	nd	nd	nd	nd	nd	nd	0.03	nd	nd	nd	nd	nd	nd
5029	165801	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5030	165740	nd	nd	nd	nd	nd	nd	nd	0.19	nd	nd	nd	nd	nd	nd
5031	165738	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5032	165739	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5033	165736	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.05
5036	165751	0.14	0.08	0.06	0.28	nd	nd	nd	0.63	nd	nd	nd	2.11	nd	0.25
5037	165750	35.47	7.96	27.51	70.94	nd	0.31	nd	143.48	nd	nd	1.63	26.41	0.07	13.73
5037A	165802	1.14	0.29	0.85	2.28	nd	0.21	nd	36.36	nd	nd	29.68	19.27	nd	5.27
5037B	165803	nd	nd	nd	nd	nd	nd	nd	0.23	nd	nd	0.12	nd	nd	nd
5038	165737	nd	nd	nd	nd	nd	nd	nd	0.57	nd	nd	1.61	nd	nd	1.09
5045	165804	nd	nd	nd	nd	nd	nd	nd	0.05	nd	nd	nd	nd	nd	nd
5046	165618	nd	nd	nd	nd	nd	nd	nd	0.17	nd	nd	0.18	nd	nd	nd
5047	165680	nd	nd	nd	nd	nd	nd	nd	0.30	nd	nd	nd	nd	nd	nd
5048	165507	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.08
5049	165508	nd	nd	nd	nd	nd	nd	nd	0.09	nd	nd	nd	nd	nd	nd
5050	165506	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.19
5051	165682	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5052	165626	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5053	165620	0.58	0.68	nd	.35	nd	nd	nd	14.51	nd	nd	1.24	2.69	bdl	9.14
5054	165617	nd	nd	nd	nd	nd	nd	nd	1.62	nd	nd	nd	0.20	nd	nd
5055	165651	nd	nd	nd	nd	nd	nd	nd	1.74	nd	nd	nd	nd	nd	0.04

GORE SORBER SCREENING SURVEY ANALYTICAL RESULTS
CHLORINATED VOCs AND SVOCs
DUNN FIELD
DEFENSE DISTRIBUTION DEPOT
MEMPHIS, TENNESSEE

DRAFT

LOCATION	SAMPLE	c12DCE, ug	t12DCE, ug	c12DCE, ug	~~1,2-DCE Total~~	VC, ug	11DCE, ug	11DCA, ug	CHCl3, ug	111TCA, ug	12DCA, ug	CCl4, ug	TCE, ug	12TCA, ug	PCE, ug
5056	165652	nd	nd	nd	nd	nd	nd	nd	0.19	nd	nd	nd	nd	nd	nd
5057	165654	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.09
5058	165653	nd	nd	nd	nd	nd	nd	nd	0.62	nd	nd	nd	3.08	nd	0.72
5059	165616	nd	nd	nd	nd	nd	nd	nd	0.10	nd	nd	nd	0.16	nd	0.07
5060	165621	1.37	0.10	1.27	2.74	nd	nd	nd	0.57	nd	nd	nd	10.63	nd	2.16
5061	165625	1.57	0.27	1.30	3.14	nd	nd	nd	1.98	nd	nd	nd	12.09	nd	0.99
5062	165683	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.19
5063	165505	nd	nd	nd	nd	nd	nd	nd	0.04	nd	nd	nd	nd	nd	0.54
5064	165509	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5065	165510	nd	nd	nd	nd	nd	nd	nd	0.47	nd	nd	nd	nd	nd	nd
5066	165504	nd	nd	nd	nd	nd	nd	nd	0.09	nd	nd	nd	nd	nd	nd
5068	165684	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	bdl	nd	0.07
5068	165824	1.85	0.57	1.28	3.70	nd	nd	nd	nd	nd	0.05	nd	0.58	nd	nd
5069	165622	1.69	1.11	0.58	3.38	nd	nd	nd	nd	nd	nd	nd	2.35	nd	0.27
5070	165615	nd	nd	nd	nd	nd	nd	nd	0.42	nd	nd	nd	0.10	nd	bdl
5071	165655	nd	nd	nd	nd	nd	nd	nd	0.05	nd	nd	nd	nd	nd	nd
5072	165656	nd	nd	nd	nd	nd	nd	nd	0.06	nd	nd	nd	nd	nd	nd
5073	165658	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5074	165657	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.18
5075	165614	nd	nd	nd	nd	nd	nd	nd	0.06	nd	nd	nd	nd	nd	0.09
5076	165623	0.05	nd	0.05	0.10	nd	nd	nd	10.96	nd	0.07	nd	0.08	nd	nd
5077	165823	0.08	nd	0.08	0.16	nd	nd	nd	0.11	nd	nd	nd	0.42	nd	nd
5078	165685	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5079	165503	nd	nd	nd	nd	nd	nd	nd	0.06	nd	nd	nd	nd	nd	nd
5080	165511	nd	nd	nd	nd	nd	nd	nd	0.47	nd	nd	nd	nd	nd	nd
5081	165512	nd	nd	nd	nd	nd	nd	nd	0.17	nd	nd	nd	nd	nd	0.08
5082	165502	nd	nd	nd	nd	nd	nd	nd	0.07	nd	nd	nd	nd	nd	nd
5083	165686	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.17
5084	165822	0.16	0.05	0.11	0.32	nd	nd	nd	0.13	nd	nd	nd	1.08	nd	nd
5085	165624	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5086	165613	0.04	nd	0.04	0.08	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.11
5087	165659	nd	nd	nd	nd	nd	nd	nd	0.06	nd	nd	nd	nd	nd	0.15
5088	165668	nd	nd	nd	nd	nd	nd	nd	0.08	nd	nd	nd	nd	nd	nd
5089	165667	nd	nd	nd	nd	nd	nd	nd	0.14	nd	nd	nd	nd	nd	nd
5090	165612	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.07	nd	0.88
5091	165625	nd	nd	nd	nd	nd	nd	nd	0.24	nd	nd	nd	nd	nd	nd
5092	165821	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5093	165687	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.06	nd	0.64
5094	165501	nd	nd	nd	nd	nd	nd	nd	0.20	nd	nd	nd	nd	nd	0.06
5095	165513	nd	nd	nd	nd	nd	nd	nd	0.11	nd	nd	nd	nd	nd	0.10
5096	165529	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5097	165514	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5098	165703	nd	nd	nd	nd	nd	nd	nd	0.20	nd	nd	nd	nd	nd	nd
5099	165688	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5100	165820	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.04	nd	nd
5101	165805	nd	nd	nd	nd	nd	nd	nd	0.21	nd	nd	nd	nd	nd	nd
5102	165611	nd	nd	nd	nd	nd	nd	nd	0.13	nd	nd	nd	nd	nd	bdl
5103	165668	nd	nd	nd	nd	nd	nd	nd	0.09	nd	nd	nd	0.05	nd	0.34
5104	165669	nd	nd	nd	nd	nd	nd	nd	0.27	nd	nd	nd	nd	nd	nd
5105	165610	nd	nd	nd	nd	nd	nd	nd	0.05	nd	nd	nd	nd	nd	nd
5106	165806	nd	nd	nd	nd	nd	nd	nd	0.07	nd	nd	nd	nd	nd	nd
5107	165819	nd	nd	nd	nd	nd	nd	nd	0.07	nd	nd	nd	0.04	nd	nd
5108	165689	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd

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GORE SORBER SCREENING SURVEY ANALYTICAL RESULTS
CHLORINATED VOCs AND SVOCs
DUNN FIELD
DEFENSE DISTRIBUTION DEPOT
MEMPHIS, TENNESSEE

DRAFT

LOCATION	SAMPLE	c12DCE, ug	t12DCE, ug	c12DCE, ug	~~1,2 DCE Total~~	VC, ug	11DCE, ug	11DCA, ug	CHCl3, ug	111TCA, ug	12DCA, ug	CCl4, ug	TCE, ug	12TCA, ug	PCE, ug
5109	165702	nd	nd	nd	nd	nd	nd	nd	0.03	nd	nd	nd	nd	nd	nd
5110	165515	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5111	165527	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5112	165528	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5113	165516	nd	nd	nd	nd	nd	nd	nd	0.11	nd	nd	nd	nd	nd	nd
5113A	165701	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5114	165690	nd	nd	nd	nd	nd	nd	nd	0.15	nd	nd	nd	nd	nd	nd
5115	165818	nd	nd	nd	nd	nd	nd	nd	0.11	nd	nd	nd	0.49	nd	0.14
5116	165807	nd	nd	nd	nd	nd	nd	nd	0.10	nd	nd	nd	nd	nd	nd
5117	165609	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5118	165670	nd	nd	nd	nd	nd	nd	nd	0.05	nd	nd	nd	nd	nd	nd
5119	165671	nd	nd	nd	nd	nd	nd	nd	0.04	nd	nd	nd	nd	nd	bdl
5120	165608	nd	nd	nd	nd	nd	nd	nd	0.49	nd	nd	nd	3.01	nd	0.10
5121	165808	7.42	4.75	2.67	14.84	nd	nd	nd	0.42	nd	nd	0.19	370.28	0.05	2.94
5122	165817	66.74	30.53	36.21	133.48	nd	0.43	nd	1.19	nd	nd	nd	>575.52	1.66	257.45
5123	165691	nd	nd	nd	nd	nd	0.05	nd	0.08	nd	nd	nd	nd	nd	nd
5124	165700	nd	nd	nd	nd	nd	nd	nd	0.14	nd	nd	nd	nd	nd	0.11
5125	165517	nd	nd	nd	nd	nd	nd	nd	0.10	nd	nd	nd	nd	nd	nd
5126	165525	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.05
5127	165526	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5128	165518	nd	nd	nd	nd	nd	nd	nd	0.15	nd	nd	nd	nd	nd	nd
5129	165699	nd	nd	nd	nd	nd	nd	nd	0.06	nd	nd	nd	nd	nd	nd
5130	165692	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.19
5131	165816	14.07	6.17	7.90	28.14	nd	0.05	nd	0.46	nd	nd	nd	400.53	nd	20.66
5132	165809	29.59	15.73	13.86	59.18	nd	0.05	nd	0.43	nd	nd	nd	523.80	0.05	17.75
5133	165607	nd	nd	nd	nd	nd	nd	nd	0.23	nd	nd	nd	0.21	nd	0.09
5134	165672	nd	nd	nd	nd	nd	nd	nd	0.01	nd	nd	nd	nd	nd	3.00
5135	165673	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.20
5136	165606	nd	nd	nd	nd	nd	nd	nd	0.08	nd	nd	nd	nd	nd	nd
5137	165810	6.71	5.54	1.17	13.42	nd	nd	nd	0.35	nd	nd	nd	96.80	nd	8.02
5138	165815	8.31	4.41	1.90	12.62	nd	nd	nd	0.17	nd	nd	nd	548.40	nd	16.87
5139	165693	nd	nd	nd	nd	nd	nd	nd	0.18	nd	nd	nd	0.48	nd	0.20
5140	165698	nd	nd	nd	nd	nd	nd	nd	0.06	nd	nd	nd	nd	nd	nd
5141	165519	nd	nd	nd	nd	nd	nd	nd	0.08	nd	nd	nd	nd	nd	nd
5142	165524	nd	nd	nd	nd	nd	nd	nd	0.04	nd	nd	nd	nd	nd	nd
5143	165523	nd	nd	nd	nd	nd	nd	nd	0.10	nd	nd	nd	nd	nd	0.05
5144	165520	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.11	2.35	nd	8.44
5145	165697	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.06
5146	165694	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5147	165814	nd	nd	nd	nd	nd	nd	nd	0.08	nd	nd	nd	2.78	nd	0.24
5148	165811	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	2.23	nd	0.62
5149	165605	nd	nd	nd	nd	nd	nd	nd	0.10	nd	nd	nd	bdl	nd	0.16
5150	165674	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.12
5151	165675	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.03	nd	bdl
5152	165604	nd	nd	nd	nd	nd	nd	nd	0.04	nd	nd	nd	nd	nd	0.35
5153	165812	nd	nd	nd	nd	nd	nd	nd	0.09	nd	nd	nd	nd	nd	0.39
5154	165813	nd	nd	nd	nd	nd	nd	nd	0.02	nd	nd	nd	bdl	nd	0.05
5155	165695	nd	nd	nd	nd	nd	nd	nd	0.07	nd	nd	nd	nd	nd	0.17
5156	165696	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.36
5157	165521	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.80
5158	165522	nd	nd	nd	nd	nd	nd	nd	0.05	nd	nd	0.12	nd	nd	4.71
5159	165845	nd	nd	nd	nd	nd	nd	nd	0.09	nd	nd	0.17	nd	nd	3.91
5160	165846	nd	nd	nd	nd	nd	nd	nd	0.05	nd	nd	nd	nd	nd	1.34

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GORE SORBER SCREENING SURVEY ANALYTICAL RESULTS
CHLORINATED VOCs AND SVOCs
DUNN FIELD
DEFENSE DISTRIBUTION DEPOT
MEMPHIS, TENNESSEE

DRAFT

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LOCATION	SAMPLE	ct12DCE, ug	t12DCE, ug	c12DCE, ug	1,2-DCE Total	VC, ug	11DCE, ug	11DCA, ug	CHCl3, ug	111TCA, ug	12DCA, ug	CCl4, ug	TCE, ug	12TCA, ug	PCE, ug
5161	165647	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.48
5162	165648	nd	nd	nd	nd	nd	nd	nd	0.34	nd	nd	nd	nd	nd	0.06
5163	165649	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	bdl	nd	0.07
5164	165602	nd	nd	nd	nd	nd	nd	nd	0.11	nd	nd	nd	nd	nd	bdl
5165	165603	nd	nd	nd	nd	nd	nd	nd	0.09	nd	nd	nd	nd	nd	0.44
5166	165676	nd	nd	nd	nd	nd	nd	nd	0.11	nd	nd	nd	nd	nd	nd
5167	165677	nd	nd	nd	nd	nd	nd	nd	0.15	nd	nd	0.07	14.44	nd	9.36
5168	165638	nd	nd	nd	nd	nd	nd	nd	0.32	nd	nd	0.28	26.64	nd	10.98
5169	165639	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	bdl
5170	165640	nd	nd	nd	nd	nd	nd	nd	0.10	nd	nd	nd	nd	nd	nd
5171	165641	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.21
5172	165642	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.91
5173	165643	nd	nd	nd	nd	nd	nd	nd	0.08	nd	nd	nd	nd	nd	0.41
5174	165644	nd	nd	nd	nd	nd	nd	nd	0.30	nd	nd	0.15	bdl	nd	3.48
5175	165631	nd	nd	nd	nd	nd	nd	nd	0.26	nd	nd	0.09	nd	nd	9.08
5176	165632	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	12.01
5177	165633	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.39
5178	165634	nd	nd	nd	nd	nd	nd	nd	0.07	nd	nd	nd	nd	nd	0.69
5179	165635	nd	nd	nd	nd	nd	nd	nd	0.04	nd	nd	nd	nd	nd	0.51
5180	165636	nd	nd	nd	nd	nd	nd	nd	0.20	nd	nd	nd	0.14	nd	1.54
5181	165637	0.05	0.05	nd	0.10	nd	nd	nd	0.19	nd	nd	nd	0.89	nd	0.43
5182	165678	nd	nd	nd	nd	nd	nd	nd	0.21	nd	nd	0.07	0.41	nd	0.20
5183	165679	nd	nd	nd	nd	nd	nd	nd	0.07	nd	nd	nd	nd	nd	0.03
5184	165626	nd	nd	nd	nd	nd	nd	nd	0.08	nd	nd	nd	nd	nd	nd
5185	165627	nd	nd	nd	nd	nd	nd	nd	0.04	nd	nd	nd	nd	nd	0.04
5186	165628	nd	nd	nd	nd	nd	nd	nd	0.09	nd	nd	nd	0.03	nd	0.42
5187	165629	nd	nd	nd	nd	nd	nd	nd	0.04	nd	nd	nd	nd	nd	1.02
5188	165630	nd	nd	nd	nd	nd	nd	nd	0.09	nd	nd	0.29	0.05	nd	17.25
5189	165735	nd	nd	nd	nd	nd	nd	nd	3.74	nd	nd	0.07	nd	nd	0.06
5190	165734	nd	nd	nd	nd	nd	nd	nd	0.73	nd	nd	nd	0.03	nd	0.83
5191	165733	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.03	nd	1.70
5192	165732	nd	nd	nd	nd	nd	nd	nd	0.24	nd	nd	nd	0.09	nd	bdl
5193	165731	nd	nd	nd	nd	nd	nd	nd	0.17	nd	nd	nd	0.37	nd	0.13
5194	165730	119.68	33.68	86.20	239.76	nd	0.31	nd	1.22	nd	nd	nd	423.14	3.61	76.64
5195	165729	5.08	4.87	0.11	10.15	nd	nd	nd	0.15	nd	nd	nd	13.99	nd	1.57
5196	165728	15.80	15.39	0.51	31.80	nd	nd	nd	0.27	nd	nd	nd	43.15	nd	1.69
5197	165780	34.19	26.28	7.91	68.38	nd	nd	nd	0.21	nd	nd	nd	37.84	nd	0.24
5198	165779	nd	nd	nd	nd	nd	nd	nd	0.36	nd	nd	nd	nd	nd	nd
5199	165778	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.52
5200	165777	0.10	0.10	nd	0.20	nd	nd	nd	0.10	nd	nd	nd	13.44	nd	1.97
5201	165776	0.07	0.07	nd	0.14	nd	nd	nd	26.38	nd	nd	0.35	2.46	nd	1.54
5202	165775	nd	nd	nd	nd	nd	nd	0.08	>232.01	0.06	nd	18.73	0.50	nd	3.60
5205	165707	nd	nd	nd	nd	nd	nd	nd	0.13	nd	nd	nd	nd	nd	0.04
5207	165727	0.05	0.05	nd	0.10	nd	nd	nd	0.13	nd	nd	nd	0.38	nd	8.58
5208	165752	nd	nd	nd	nd	nd	nd	nd	0.09	nd	nd	nd	0.46	nd	0.50
5209	165762	nd	nd	nd	nd	nd	nd	nd	0.16	nd	nd	nd	nd	nd	0.05
5210	165763	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.07
5211	165769	nd	nd	nd	nd	nd	nd	nd	0.33	nd	nd	nd	0.24	nd	nd
5212	165768	nd	nd	nd	nd	nd	nd	nd	0.15	nd	nd	nd	nd	nd	nd
5213	165764	nd	nd	nd	nd	nd	nd	nd	0.32	nd	nd	nd	bdl	nd	nd
5214	165761	nd	nd	nd	nd	nd	nd	nd	0.09	nd	nd	nd	0.18	nd	0.50
5215	165753	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.16	nd	4.30
5216	165723	1.03	0.72	0.31	2.06	nd	nd	nd	0.08	nd	nd	nd	9.55	nd	15.02

GORE SORBER SCREENING SURVEY ANALYTICAL RESULTS
CHLORINATED VOCs AND SVOCs
DUNN FIELD
DEFENSE DISTRIBUTION DEPOT
MEMPHIS, TENNESSEE

DRAFT

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LOCATION	SAMPLE	c112DCE, ug	t12DCE, ug	c12DCE, ug	~~t+2 DCE Total~~	VC, ug	11DCE, ug	11DCA, ug	CHCl3, ug	111TCA, ug	12DCA, ug	CCl4, ug	TCE, ug	12TCA, ug	PCE, ug
5217	165721	nd	nd	nd	nd	nd	nd	nd	0.06	nd	nd	nd	nd	nd	0.08
5218	165708	0.40	0.36	0.04	0.80	nd	nd	nd	0.15	nd	nd	nd	67.20	nd	3.83
5221	165709	0.20	0.20	nd	0.40	nd	nd	nd	0.20	nd	nd	nd	7.94	nd	4.21
5222	165720	nd	nd	nd	nd	nd	nd	nd	0.62	nd	nd	nd	nd	nd	0.07
5223	165704	nd	nd	nd	nd	nd	nd	nd	0.05	nd	nd	nd	nd	nd	0.34
5224	165754	0.08	0.03	0.05	0.16	nd	nd	nd	nd	nd	nd	nd	0.63	nd	0.75
5225	165760	nd	nd	nd	nd	nd	nd	nd	0.08	nd	nd	nd	0.24	nd	0.44
5226	165765	nd	nd	nd	nd	nd	nd	nd	0.06	nd	nd	nd	nd	nd	0.18
5227	165767	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.07	nd	0.11
5228	165766	nd	nd	nd	nd	nd	nd	nd	0.51	nd	nd	nd	nd	nd	nd
5229	165759	59.69	30.76	29.13	19.78	nd	0.04	nd	0.47	nd	bdl	nd	11.94	0.12	1.43
5231	165725	0.20	nd	0.20	0.40	nd	nd	nd	nd	nd	nd	nd	0.36	nd	1.62
5232	165719	nd	nd	nd	nd	nd	nd	nd	0.05	nd	nd	nd	nd	nd	1.00
5233	165710	8.56	7.91	0.65	17.12	nd	nd	nd	18.37	nd	nd	2.34	127.99	0.34	12.10
5235	165706	nd	nd	nd	nd	nd	nd	nd	127.87	nd	nd	31.61	1.38	nd	0.12
5236	165711	0.56	0.56	nd	1.12	nd	nd	nd	0.89	nd	nd	0.18	92.59	nd	10.68
5236	165757	nd	nd	nd	nd	nd	nd	nd	0.07	nd	nd	nd	0.16	nd	0.14
5237	165718	nd	nd	nd	nd	nd	nd	nd	0.10	nd	nd	nd	bdl	nd	0.55
5238	165716	nd	nd	nd	nd	nd	nd	nd	0.08	nd	nd	nd	nd	nd	0.07
5239	165756	0.16	0.03	0.13	0.32	nd	nd	nd	0.17	nd	nd	nd	0.77	nd	0.54
5240	165758	nd	nd	nd	nd	nd	nd	nd	0.16	nd	nd	nd	nd	nd	bdl
5241	165726	nd	nd	nd	nd	nd	nd	nd	0.21	nd	nd	nd	nd	nd	nd
5242	165715	nd	nd	nd	nd	nd	nd	nd	0.30	nd	nd	nd	nd	nd	nd
5243	165717	0.02	nd	0.02	0.04	nd	nd	nd	0.09	nd	nd	nd	bdl	nd	nd
5244	165712	nd	nd	nd	nd	nd	nd	nd	0.90	nd	nd	1.54	0.80	nd	0.19
5245	165705	0.03	0.03	nd	0.06	nd	nd	nd	6.09	nd	nd	5.38	1.01	nd	0.12
5246	165722	0.57	0.52	0.05	1.14	nd	nd	nd	19.34	nd	nd	9.92	14.06	nd	1.15
5247	165713	bdl	bdl	nd	nd	nd	nd	nd	2.02	nd	nd	1.74	0.41	nd	bdl
5248	165714	nd	nd	nd	nd	nd	nd	nd	0.15	nd	nd	nd	nd	nd	nd
5250	165724	0.57	0.34	0.23	1.14	nd	nd	nd	0.14	nd	nd	0.16	6.95	nd	0.08
5251	165592	nd	nd	nd	nd	nd	nd	nd	0.26	nd	nd	nd	nd	nd	nd
5252	165591	nd	nd	nd	nd	nd	nd	nd	4.18	nd	nd	nd	0.08	nd	nd
5253	165590	nd	nd	nd	nd	nd	nd	nd	1.37	nd	nd	nd	nd	nd	0.13
5254	165551	nd	nd	nd	nd	nd	nd	nd	0.07	nd	nd	nd	nd	nd	nd
5255	165550	nd	nd	nd	nd	nd	nd	nd	0.05	nd	nd	nd	nd	nd	nd
5256	165571	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5257	165572	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5258	165573	nd	nd	nd	nd	nd	nd	nd	0.07	nd	nd	nd	nd	nd	nd
5259	165574	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5260	165575	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5261	165576	nd	nd	nd	nd	nd	nd	nd	0.18	nd	nd	nd	nd	nd	nd
5262	165577	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5263	165578	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5264	165579	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5265	165580	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5266	165559	nd	nd	nd	nd	nd	nd	nd	0.05	nd	nd	nd	nd	nd	nd
5267	165558	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5268	165557	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5269	165556	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.36
5270	165555	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	11.23	nd	0.37
5271	165554	nd	nd	nd	nd	nd	nd	nd	0.06	bdl	nd	nd	nd	nd	0.63
5272	165553	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5273	165552	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd

GORE SORBER SCREENING SURVEY ANALYTICAL RESULTS
CHLORINATED VOCs AND SVOCs
DUNN FIELD
DEFENSE DISTRIBUTION DEPOT
MEMPHIS, TENNESSEE

DRAFT

LOCATION	SAMPLE	c112DCE, ug	t12DCE, ug	c12DCE, ug	~~t,2 DCE Total~~	VC, ug	11DCE, ug	11DCA, ug	CHCl3, ug	111TCA, ug	12DCA, ug	CCl4, ug	TCE, ug	12TCA, ug	PCE, ug
5274	165549	nd	nd	nd	nd	nd	nd	nd	0.13	nd	nd	nd	nd	nd	nd
5275	165548	nd	nd	nd	nd	nd	nd	nd	0.12	nd	nd	nd	nd	nd	nd
5276	165547	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5277	165546	nd	nd	nd	nd	nd	nd	nd	0.13	nd	nd	nd	nd	nd	nd
5278	165545	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5279	165544	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.37
5280	165543	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5281	165542	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5282	165541	nd	nd	nd	nd	nd	nd	nd	0.07	nd	nd	nd	nd	nd	nd
5283	165570	nd	nd	nd	nd	nd	nd	nd	0.10	nd	nd	nd	nd	nd	nd
5284	165569	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5285	165568	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	1.34
5286	165567	nd	nd	nd	nd	nd	nd	nd	0.06	nd	nd	nd	nd	nd	0.47
5287	165566	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5288	165565	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5289	165564	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5290	165563	nd	nd	nd	nd	nd	nd	nd	0.44	nd	nd	nd	nd	nd	nd
5291	165562	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5292	165561	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5293	165594	nd	nd	nd	nd	nd	nd	nd	0.06	nd	nd	0.90	nd	nd	nd
5294	165530	nd	nd	nd	nd	nd	nd	nd	0.08	nd	nd	nd	nd	nd	nd
5294A (dup)	165593	nd	nd	nd	nd	nd	nd	nd	0.09	nd	nd	nd	nd	nd	nd
5295	165531	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.08
5296	165532	nd	nd	nd	nd	nd	nd	nd	0.06	nd	nd	nd	nd	nd	nd
5297	165533	nd	nd	nd	nd	nd	nd	nd	0.27	nd	nd	nd	nd	nd	nd
5298	165534	nd	nd	nd	nd	nd	nd	nd	0.17	nd	nd	nd	nd	nd	nd
5299	165535	nd	nd	nd	nd	nd	nd	nd	0.05	nd	nd	nd	nd	nd	nd
5300	165589	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5301	165588	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5302	165587	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5303	165586	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5304	165585	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5305	165584	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5306	165583	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5307	165582	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
5308	165581	nd	nd	nd	nd	nd	nd	nd	0.07	nd	nd	nd	nd	nd	nd
5309	165580	nd	nd	nd	nd	nd	nd	nd	0.29	nd	nd	nd	nd	nd	nd

nd - Not Detected
MDL - Method Detection Limit

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