

Exhibit IV

Semi-Independent Study Comparison of EPA300 vs SM4500 Cl B

Sample	Chloride mg/kg via EPA300	Chloride mg/kg via SM4500	% RPD Of EPA 300 vs. SM4500	BS/BSD % REC EPA 300	BS/BSD % REC 4500Cl B
1	5.54	<16	0.0	100/98.9	104/104
2	405	368	9.6	100/98.9	104/104
3	15	<16	0.0	100/98.9	104/104
4	50.6	64	-23.4	100/98.9	104/104
5	2690	2560	5.0	100/98.9	104/104
6	64	63.1	1.4	100/98.9	104/104
7	170	192	-12.2	100/98.9	104/108
8	128000	111000	14.2	100/98.9	108/104
9	21500	16000	29.3	100/98.9	108/104
10	39000	36800	5.8	97.8/96.2	108/104
11	20400	22800	-11.1	97.8/96.2	108/104
12	15000	12600	17.4	97.8/96.2	108/104
13	22400	21800	2.7	97.8/96.2	108/104
14	18700	18200	2.7	97.8/96.2	108/104
15	14300	12800	11.1	97.8/96.2	108/104
16	22000	20200	8.5	97.8/96.2	108/104
17	13700	10800	23.7	97.8/96.2	108/104
18	1410	1360	3.6	97.8/96.2	108/104
19	2730	2840	-3.9	97.8/96.2	108/104
20	1370	1310	4.5	97.8/96.2	108/104
21	2870	2560	11.42	97.8/96.2	108/104
22	1230	1250	-1.61	97.8/96.2	108/104
23	21200	22800	-7.27	97.8/96.2	108/104
24	10500	11000	-4.65	97.8/96.2	108/104
25	25700	26000	-1.16	100/98.9	108/108
26	13200	9200	35.71	100/98.9	108/108
27	10700	10000	6.76	100/98.9	108/108
28	4930	4400	11.36	100/98.9	108/108
29	14100	10800	26.51	100/98.9	108/108
30	6310	5520	13.36	100/98.9	108/108

%RPD = Relative Percent Difference

BS = Blank Spike

BSD = Blank Spike Duplicate

%REC = Percent Recovery

EPA 300 performed by NELAP accredited Permian Basin Environmental Laboratory. SM4500 Cl B performed by Cardinal Laboratories.