

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100523\
 Data File : BG059315.D
 Acq On : 6 Oct 2023 3:42
 Operator : MA/JU
 Sample : PB155951BS
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SLCS951

Quant Time: Oct 06 04:23:49 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG092723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Sep 28 04:33:25 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh
 Patel

10/06/2023
 Supervised By :mohammad
 ahmed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.232	152	55894	20.000	ng/u1	0.00
20) Naphthalene-d8	11.076	136	262051	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.865	164	160360	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.621	188	352843m	20.000	ng/u1	0.00
79) Chrysene-d12	21.922	240	293964	20.000	ng/u1	0.00
88) Perylene-d12	25.412	264	348165	20.000	ng/u1	0.00

10/07/2023

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.532	96	10481	7.077	ng/uL	0.00
4) Pyridine-d5	3.966	84	134975	31.236	ng/u1	0.00
7) Phenol-d5	7.362	99	208264	37.224	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.556	67	115013	32.180	ng/u1	0.00
11) 2-Chlorophenol-d4	7.756	132	151307	40.231	ng/u1	0.00
15) 4-Methylphenol-d8	8.931	113	155253	35.898	ng/u1	0.00
21) Nitrobenzene-d5	9.436	128	79994	43.259	ng/u1	0.00
24) 2-Nitrophenol-d4	10.153	143	85827	47.279	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.682	165	158614	42.533	ng/u1	0.00
31) 4-Chloroaniline-d4	11.223	131	209644	34.746	ng/u1	0.00
46) Dimethylphthalate-d6	14.260	166	440426	37.987	ng/u1	0.00
49) Acenaphthylene-d8	14.572	160	547669	37.634	ng/u1	0.00
54) 4-Nitrophenol-d4	15.065	143	81836	40.420	ng/u1	0.00
60) Fluorene-d10	15.858	176	419157	37.985	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.976	200	72045	39.723	ng/u1	0.01
73) Anthracene-d10	17.721	188	609151	37.889	ng/u1	0.00
81) Pyrene-d10	19.989	212	664027	40.336	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.165	264	662983	39.626	ng/u1	0.00

Target Compounds					Qvalue
2) 1,4-Dioxane	3.573	88	22262	12.795	ng/uL# 70
5) Pyridine	3.990	79	119512	27.236	ng/u1 97
6) Benzaldehyde	7.380	77	94349	38.400	ng/u1 93
8) Phenol	7.392	94	211702	38.037	ng/u1 94
10) Bis(2-Chloroethyl)ether	7.650	93	161462	35.372	ng/u1 96
12) 2-Chlorophenol	7.785	128	163371	41.199	ng/u1 98
13) 2-Methylphenol	8.661	108	156209	37.148	ng/u1 99
14) 2,2'-oxybis(1-Chloropr...	8.743	45	337220m	33.418	ng/u1
16) Acetophenone	9.078	105	236924	35.372	ng/u1 97
17) N-Nitroso-di-n-propyla...	9.043	70	114411	33.674	ng/u1 96
18) 4-Methylphenol	8.996	108	165600	37.169	ng/u1 93
19) Hexachloroethane	9.313	117	64507	41.292	ng/u1 94
22) Nitrobenzene	9.478	77	176719	38.714	ng/u1 93
23) Isophorone	9.983	82	352713	35.932	ng/u1 99
25) 2-Nitrophenol	10.183	139	90873	45.432	ng/u1 95
26) 2,4-Dimethylphenol	10.212	107	144903	33.881	ng/u1 99
27) Bis(2-Chloroethoxy)met...	10.465	93	220464	35.596	ng/u1# 97
29) 2,4-Dichlorophenol	10.711	162	159515	43.031	ng/u1 97
30) Naphthalene	11.129	128	554305	39.451	ng/u1 98
32) 4-Chloroaniline	11.246	127	171942	29.801	ng/u1 93
33) Hexachlorobutadiene	11.358	225	102930	41.489	ng/u1 93
34) Caprolactam	12.033	113	48157m	37.545	ng/u1
35) 4-Chloro-3-methylphenol	12.327	107	159852	40.415	ng/u1 95
36) 2-Methylnaphthalene	12.709	142	358254	38.922	ng/u1 99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.932	142	344218	36.846	ng/ul#	94
39) 1,2,4,5-Tetrachloroben...	13.056	216	189542	39.480	ng/ul	94
40) Hexachlorocyclopentadiene	13.009	237	73748	24.902	ng/ul	94
41) 2,4,6-Trichlorophenol	13.302	196	120968	41.155	ng/ul	89
42) 2,4,5-Trichlorophenol	13.379	196	134037	43.458	ng/ul	93
43) 1,1'-Biphenyl	13.702	154	500000	38.607	ng/ul	97
44) 2-Chloronaphthalene	13.755	162	386629	39.651	ng/ul	100
45) 2-Nitroaniline	13.978	65	122193	44.427	ng/ul	96
47) Dimethylphthalate	14.313	163	461902	38.896	ng/ul	97
48) 2,6-Dinitrotoluene	14.460	165	95804	47.433	ng/ul	87
50) Acenaphthylene	14.601	152	610792	39.321	ng/ul	96
51) 3-Nitroaniline	14.801	138	106088	48.656	ng/ul#	96
52) Acenaphthene	14.936	153	410788	38.528	ng/ul	97
53) 2,4-Dinitrophenol	14.995	184	40974	36.494	ng/ul	88
55) 4-Nitrophenol	15.083	109	57642	40.361	ng/ul	95
56) Dibenzofuran	15.265	168	567744	40.171	ng/ul	98
57) 2,4-Dinitrotoluene	15.241	165	141015	47.152	ng/ul#	90
58) 2,3,4,6-Tetrachlorophenol	15.476	232	116318	41.659	ng/ul	95
59) Diethylphthalate	15.653	149	450285	39.222	ng/ul	98
61) Fluorene	15.911	166	465576	39.233	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.894	204	237016	40.066	ng/ul	97
63) 4-Nitroaniline	15.958	138	107791	53.719	ng/ul	97
66) 4,6-Dinitro-2-methylph...	15.988	198	79964m	41.814	ng/ul	
67) N-Nitrosodiphenylamine	16.117	169	379190	40.316	ng/ul	97
68) 4-Bromophenyl-phenylether	16.793	248	143787	42.064	ng/ul	98
69) Hexachlorobenzene	16.887	284	162450	42.067	ng/ul	94
70) Atrazine	17.045	200	75504m	21.112	ng/ul	
71) Pentachlorophenol	17.245	266	90304	40.631	ng/ul	88
72) Phenanthrene	17.662	178	783989m	40.488	ng/ul	
74) Anthracene	17.750	178	790652	39.544	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.667	216	188318	40.501	ng/uL	98
76) Pentachlorobenzene	15.159	250	176666	38.480	ng/uL	99
77) Carbazole	18.032	167	674084	41.365	ng/ul	98
78) Di-n-butylphthalate	18.532	149	809359	41.898	ng/ul	98
80) Fluoranthene	19.654	202	881192	43.452	ng/ul	98
82) Pyrene	20.018	202	913328	42.518	ng/ul	100
83) Butylbenzylphthalate	20.870	149	342189	45.173	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.810	252	306584	45.034	ng/ul	99
85) Benzo(a)anthracene	21.898	228	858525	41.488	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.722	149	514357	44.716	ng/ul	96
87) Chrysene	21.975	228	800565	40.961	ng/ul	96
89) Di-n-octyl phthalate	23.020	149	866090	42.772	ng/ul	100
90) Benzo(b)fluoranthene	24.278	252	871163	40.853	ng/ul	99
91) Benzo(k)fluoranthene	24.354	252	867149	40.133	ng/ul	99
93) Benzo(a)pyrene	25.247	252	832898	41.173	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	29.431	276	933961	40.785	ng/ul	100
95) Dibenzo(a,h)anthracene	29.525	278	797327	42.816	ng/ul	96
96) Benzo(g,h,i)perylene	30.729	276	724072	38.888	ng/ul	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

