

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100523\
 Data File : BG059300.D
 Acq On : 5 Oct 2023 17:24
 Operator : MA/JU
 Sample : PB155814BS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SLCS814

Quant Time: Oct 06 00:41:08 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 10/06/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.232	152	34944	20.000	ng/u1	0.00
20) Naphthalene-d8	11.075	136	185862	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.871	164	120632	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.615	188	248145	20.000	ng/u1	0.00
79) Chrysene-d12	21.921	240	195387	20.000	ng/u1	0.00
88) Perylene-d12	25.394	264	228066	20.000	ng/u1	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.531	96	4839	5.226	ng/uL	0.00
4) Pyridine-d5	3.966	84	70762	26.194	ng/u1	0.00
7) Phenol-d5	7.362	99	114391	32.704	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.556	67	61596	27.566	ng/u1	0.00
11) 2-Chlorophenol-d4	7.750	132	82936	35.273	ng/u1	0.00
15) 4-Methylphenol-d8	8.931	113	90989	33.652	ng/u1	0.00
21) Nitrobenzene-d5	9.430	128	45870	34.974	ng/u1	0.00
24) 2-Nitrophenol-d4	10.153	143	51004	39.614	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.682	165	95603	36.145	ng/u1	0.00
31) 4-Chloroaniline-d4	11.222	131	123230	28.796	ng/u1	0.00
46) Dimethylphthalate-d6	14.266	166	288302	33.056	ng/u1	0.00
49) Acenaphthylene-d8	14.571	160	357093	32.619	ng/u1	0.00
54) 4-Nitrophenol-d4	15.065	143	51336	33.706	ng/u1	0.00
60) Fluorene-d10	15.852	176	271732	32.735	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.969	200	47995	37.628	ng/u1	0.00
73) Anthracene-d10	17.715	188	376322	33.283	ng/u1	0.00
81) Pyrene-d10	19.988	212	400968	36.645	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.159	264	381628	34.821	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.566	88	10538	9.688	ng/uL#	79
5) Pyridine	3.984	79	69698	25.407	ng/u1	94
6) Benzaldehyde	7.380	77	55037	35.830	ng/u1	96
8) Phenol	7.391	94	116850	33.582	ng/u1	95
10) Bis(2-Chloroethyl)ether	7.650	93	86214	30.211	ng/u1	99
12) 2-Chlorophenol	7.785	128	87175	35.164	ng/u1	98
13) 2-Methylphenol	8.666	108	88598	33.701	ng/u1	98
14) 2,2'-oxybis(1-Chloropr...	8.754	45	182583m	28.941	ng/u1	
16) Acetophenone	9.078	105	141545	33.802	ng/u1	97
17) N-Nitroso-di-n-propyla...	9.042	70	69194	32.575	ng/u1	95
18) 4-Methylphenol	8.995	108	99097	35.577	ng/u1	93
19) Hexachloroethane	9.318	117	34152	34.968	ng/u1#	81
22) Nitrobenzene	9.477	77	101158	31.245	ng/u1	95
23) Isophorone	9.982	82	212294	30.493	ng/u1	100
25) 2-Nitrophenol	10.182	139	54667	38.535	ng/u1	99
26) 2,4-Dimethylphenol	10.212	107	72361	23.855	ng/u1	98
27) Bis(2-Chloroethoxy)met...	10.464	93	131337	29.898	ng/u1#	98
29) 2,4-Dichlorophenol	10.705	162	93673	35.628	ng/u1	91
30) Naphthalene	11.128	128	334101	33.526	ng/u1	97
32) 4-Chloroaniline	11.246	127	116212	28.399	ng/u1	96
33) Hexachlorobutadiene	11.351	225	62364	35.442	ng/u1	92
34) Caprolactam	12.027	113	32564m	35.796	ng/u1	
35) 4-Chloro-3-methylphenol	12.327	107	100513	35.830	ng/u1	90
36) 2-Methylnaphthalene	12.709	142	230364	35.287	ng/u1	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.932	142	222474	33.577	ng/ul	97
39) 1,2,4,5-Tetrachloroben...	13.055	216	121070	33.523	ng/ul	95
40) Hexachlorocyclopentadiene	13.008	237	46138	20.710	ng/ul#	93
41) 2,4,6-Trichlorophenol	13.302	196	74042	33.486	ng/ul	87
42) 2,4,5-Trichlorophenol	13.373	196	81686	35.207	ng/ul	98
43) 1,1'-Biphenyl	13.707	154	323224	33.177	ng/ul	98
44) 2-Chloronaphthalene	13.754	162	249020	33.949	ng/ul	99
45) 2-Nitroaniline	13.978	65	78156	37.774	ng/ul	97
47) Dimethylphthalate	14.313	163	304216	34.054	ng/ul	98
48) 2,6-Dinitrotoluene	14.459	165	64512	42.459	ng/ul#	83
50) Acenaphthylene	14.600	152	371899	31.827	ng/ul	97
51) 3-Nitroaniline	14.794	138	67549	41.183	ng/ul#	94
52) Acenaphthene	14.935	153	271363	33.833	ng/ul	96
53) 2,4-Dinitrophenol	14.994	184	26919	31.872	ng/ul#	79
55) 4-Nitrophenol	15.076	109	35962	33.473	ng/ul	91
56) Dibenzofuran	15.264	168	365116	34.342	ng/ul	97
57) 2,4-Dinitrotoluene	15.235	165	87708	38.986	ng/ul	87
58) 2,3,4,6-Tetrachlorophenol	15.470	232	64210	30.570	ng/ul#	95
59) Diethylphthalate	15.652	149	297922	34.497	ng/ul	97
61) Fluorene	15.911	166	300021	33.608	ng/ul	93
62) 4-Chlorophenyl-phenyle...	15.893	204	151683	34.086	ng/ul	97
63) 4-Nitroaniline	15.958	138	65061	43.103	ng/ul	89
66) 4,6-Dinitro-2-methylph...	15.987	198	50716	37.710	ng/ul#	81
67) N-Nitrosodiphenylamine	16.116	169	247487	37.415	ng/ul	98
68) 4-Bromophenyl-phenylether	16.792	248	90589	37.683	ng/ul	98
69) Hexachlorobenzene	16.886	284	100348	36.949	ng/ul	95
70) Atrazine	17.045	200	15411	6.127	ng/ul	94
71) Pentachlorophenol	17.239	266	45132	28.874	ng/ul	93
72) Phenanthrene	17.662	178	492430	36.160	ng/ul	98
74) Anthracene	17.750	178	475496	33.815	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.666	216	13050	3.991	ng/uL	90
76) Pentachlorobenzene	15.159	250	121787	37.719	ng/uL	98
77) Carbazole	18.026	167	416834	36.371	ng/ul	98
78) Di-n-butylphthalate	18.531	149	495810	36.496	ng/ul	99
80) Fluoranthene	19.653	202	511012	37.911	ng/ul	97
82) Pyrene	20.018	202	528068	36.986	ng/ul	100
83) Butylbenzylphthalate	20.870	149	199332	39.590	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.810	252	180558	39.903	ng/ul	99
85) Benzo(a)anthracene	21.898	228	488257	35.499	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.722	149	296112	38.731	ng/ul	95
87) Chrysene	21.968	228	458556	35.300	ng/ul	99
89) Di-n-octyl phthalate	23.020	149	503522	37.961	ng/ul	100
90) Benzo(b)fluoranthene	24.272	252	499307	35.745	ng/ul	99
91) Benzo(k)fluoranthene	24.348	252	506023	35.752	ng/ul	96
93) Benzo(a)pyrene	25.235	252	451551	34.076	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	29.418	276	556454m	37.096	ng/ul	
95) Dibenzo(a,h)anthracene	29.507	278	465636m	38.172	ng/ul	
96) Benzo(g,h,i)perylene	30.717	276	458495	37.592	ng/ul	96

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

