

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101023\
 Data File : BG059424.D
 Acq On : 10 Oct 2023 14:19
 Operator : MA/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020597

Quant Time: Oct 10 22:54:54 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG100723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Oct 07 22:45:22 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/11/2023
 Supervised By :mohammad ahmed 10/12/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.223	152	43570	20.000	ng/u1	0.00
20) Naphthalene-d8	11.067	136	213374	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.856	164	137001	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.606	188	304687	20.000	ng/u1	0.00
79) Chrysene-d12	21.907	240	281371	20.000	ng/u1	0.00
88) Perylene-d12	25.385	264	323248	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.529	96	10218	8.362	ng/uL	0.00
4) Pyridine-d5	3.957	84	71669	20.376	ng/u1	0.00
7) Phenol-d5	7.353	99	101448	21.087	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.541	67	54147	19.913	ng/u1	0.00
11) 2-Chlorophenol-d4	7.741	132	70447	20.937	ng/u1	0.00
15) 4-Methylphenol-d8	8.916	113	73529	19.616	ng/u1	0.00
21) Nitrobenzene-d5	9.422	128	34096	18.771	ng/u1	0.00
24) 2-Nitrophenol-d4	10.144	143	36894	18.766	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.667	165	77689	21.894	ng/u1	0.00
31) 4-Chloroaniline-d4	11.214	131	114668	20.344	ng/u1	0.00
46) Dimethylphthalate-d6	14.251	166	234545	20.897	ng/u1	0.00
49) Acenaphthylene-d8	14.557	160	290203	21.727	ng/u1	0.00
54) 4-Nitrophenol-d4	15.050	143	38042	18.087	ng/u1	0.00
60) Fluorene-d10	15.843	176	216295	20.189	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.961	200	32506	16.159	ng/u1	0.00
73) Anthracene-d10	17.706	188	325756	21.795	ng/u1	0.00
81) Pyrene-d10	19.980	212	355852	20.877	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.133	264	355876	20.922	ng/u1	-0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.564	88	10456	8.015	ng/uL	84
5) Pyridine	3.975	79	72300	20.359	ng/u1	91
6) Benzaldehyde	7.371	77	43045	21.570	ng/u1	90
8) Phenol	7.377	94	93825	19.722	ng/u1	96
10) Bis(2-Chloroethyl)ether	7.641	93	74701	20.390	ng/u1	91
12) 2-Chlorophenol	7.771	128	71797	20.250	ng/u1	94
13) 2-Methylphenol	8.652	108	71083	19.996	ng/u1	96
14) 2,2'-oxybis(1-Chloropr...	8.740	45	161008m	21.004	ng/u1	
16) Acetophenone	9.063	105	115149	20.216	ng/u1	97
17) N-Nitroso-di-n-propyla...	9.028	70	54777	19.300	ng/u1#	90
18) 4-Methylphenol	8.981	108	78226	20.011	ng/u1	97
19) Hexachloroethane	9.304	117	27237	21.120	ng/u1#	86
22) Nitrobenzene	9.469	77	77369	19.430	ng/u1	88
23) Isophorone	9.968	82	169343	19.916	ng/u1	96
25) 2-Nitrophenol	10.168	139	39806	19.633	ng/u1	99
26) 2,4-Dimethylphenol	10.197	107	81773	20.445	ng/u1	97
27) Bis(2-Chloroethoxy)met...	10.456	93	106664	20.875	ng/u1	97
29) 2,4-Dichlorophenol	10.697	162	75217	21.051	ng/u1	99
30) Naphthalene	11.114	128	259787	21.051	ng/u1	98
32) 4-Chloroaniline	11.231	127	106522	19.977	ng/u1	97
33) Hexachlorobutadiene	11.343	225	50692	23.496	ng/u1	96
34) Caprolactam	12.001	113	26360m	20.316	ng/u1	
35) 4-Chloro-3-methylphenol	12.312	107	73395	19.142	ng/u1#	84
36) 2-Methylnaphthalene	12.700	142	172185	20.929	ng/u1	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.918	142	175315	20.524	ng/ul	95
39) 1,2,4,5-Tetrachloroben...	13.047	216	92152	22.582	ng/ul#	89
40) Hexachlorocyclopentadiene	12.994	237	47971	19.581	ng/ul#	89
41) 2,4,6-Trichlorophenol	13.288	196	59076	21.335	ng/ul	97
42) 2,4,5-Trichlorophenol	13.364	196	63199	21.015	ng/ul	98
43) 1,1'-Biphenyl	13.693	154	248881	22.072	ng/ul	98
44) 2-Chloronaphthalene	13.746	162	189354	21.847	ng/ul	98
45) 2-Nitroaniline	13.963	65	51357	18.095	ng/ul	95
47) Dimethylphthalate	14.298	163	233373	20.689	ng/ul	97
48) 2,6-Dinitrotoluene	14.445	165	41192	18.100	ng/ul	94
50) Acenaphthylene	14.592	152	304380	21.200	ng/ul	99
51) 3-Nitroaniline	14.786	138	43335	19.446	ng/ul	100
52) Acenaphthene	14.921	153	202277	20.822	ng/ul	98
53) 2,4-Dinitrophenol	14.986	184	30610	18.725	ng/ul	94
55) 4-Nitrophenol	15.068	109	28112	19.809	ng/ul	91
56) Dibenzofuran	15.250	168	282719	21.092	ng/ul	99
57) 2,4-Dinitrotoluene	15.227	165	59553	17.868	ng/ul#	91
58) 2,3,4,6-Tetrachlorophenol	15.467	232	57153	19.806	ng/ul#	97
59) Diethylphthalate	15.644	149	219571	19.571	ng/ul	98
61) Fluorene	15.902	166	236594	20.746	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.885	204	118800	21.081	ng/ul	99
63) 4-Nitroaniline	15.943	138	42940	21.403	ng/ul	95
66) 4,6-Dinitro-2-methylph...	15.973	198	35249	16.475	ng/ul	96
67) N-Nitrosodiphenylamine	16.102	169	191315	22.188	ng/ul	98
68) 4-Bromophenyl-phenylether	16.778	248	71614	22.134	ng/ul	94
69) Hexachlorobenzene	16.872	284	80651	21.838	ng/ul	97
70) Atrazine	17.036	200	73752	21.574	ng/ul	91
71) Pentachlorophenol	17.230	266	39595	18.447	ng/ul	92
72) Phenanthrene	17.647	178	390566	21.644	ng/ul	99
74) Anthracene	17.741	178	399717	21.780	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.652	216	96758	24.443	ng/uL	96
76) Pentachlorobenzene	15.150	250	94742	23.126	ng/uL	94
77) Carbazole	18.017	167	335007	21.934	ng/ul	97
78) Di-n-butylphthalate	18.517	149	392957	21.747	ng/ul	99
80) Fluoranthene	19.645	202	443266	20.899	ng/ul	97
82) Pyrene	20.009	202	468724	21.264	ng/ul	97
83) Butylbenzylphthalate	20.861	149	169396	20.799	ng/ul	93
84) 3,3'-Dichlorobenzidine	21.801	252	153101	21.811	ng/ul	97
85) Benzo(a)anthracene	21.883	228	456276	21.233	ng/ul	94
86) Bis(2-ethylhexyl)phtha...	21.713	149	245701	20.171	ng/ul	96
87) Chrysene	21.960	228	420839	20.849	ng/ul	95
89) Di-n-octyl phthalate	23.000	149	411372	20.169	ng/ul	100
90) Benzo(b)fluoranthene	24.251	252	455589	21.391	ng/ul	96
91) Benzo(k)fluoranthene	24.328	252	458866	21.219	ng/ul	98
93) Benzo(a)pyrene	25.215	252	425892	20.993	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	29.392	276	488589m	20.907	ng/ul	
95) Dibenzo(a,h)anthracene	29.469	278	396139	20.847	ng/ul#	95
96) Benzo(g,h,i)perylene	30.685	276	383876m	20.597	ng/ul	

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

