

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071823\
 Data File : BG058291.D
 Acq On : 18 Jul 2023 7:37
 Operator : CG/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020521

Quant Time: Jul 18 09:09:18 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG071723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jul 18 02:19:39 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/19/2023
 Supervised By :mohammad ahmed 07/19/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.901	152	41532	20.000	ng/u1	0.00
20) Naphthalene-d8	10.697	136	201268	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.534	164	151070	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.278	188	378402	20.000	ng/u1	0.00
79) Chrysene-d12	21.532	240	325294	20.000	ng/u1	0.00
88) Perylene-d12	24.663	264	388183	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.341	96	9467	8.390	ng/uL	0.00
4) Pyridine-d5	3.747	84	67333	20.104	ng/u1	0.00
7) Phenol-d5	7.060	99	78757	19.990	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.225	67	48715	19.783	ng/u1	0.00
11) 2-Chlorophenol-d4	7.431	132	53968	19.569	ng/u1	0.00
15) 4-Methylphenol-d8	8.606	113	59912	19.936	ng/u1	0.00
21) Nitrobenzene-d5	9.058	128	28620	18.971	ng/u1	0.00
24) 2-Nitrophenol-d4	9.781	143	31227	18.960	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.321	165	59625	18.885	ng/u1	0.00
31) 4-Chloroaniline-d4	10.838	131	90932	19.867	ng/u1	0.00
46) Dimethylphthalate-d6	13.941	166	215179	18.471	ng/u1	0.00
49) Acenaphthylene-d8	14.228	160	230154	18.853	ng/u1	0.00
54) 4-Nitrophenol-d4	14.740	143	33738	19.177	ng/u1	0.00
60) Fluorene-d10	15.527	176	183979	19.076	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.644	200	35373	18.348	ng/u1	0.00
73) Anthracene-d10	17.378	188	308544	18.871	ng/u1	0.00
81) Pyrene-d10	19.669	212	362796	18.883	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.446	264	338272	18.030	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.377	88	10783	8.425	ng/uL	85
5) Pyridine	3.764	79	71425	20.193	ng/u1	95
6) Benzaldehyde	7.037	77	23628m	14.850	ng/u1	
8) Phenol	7.090	94	80603	19.700	ng/u1	96
10) Bis(2-Chloroethyl)ether	7.319	93	63269	20.185	ng/u1	99
12) 2-Chlorophenol	7.460	128	56163	19.455	ng/u1	97
13) 2-Methylphenol	8.341	108	61532	19.296	ng/u1	95
14) 2,2'-oxybis(1-Chloropr...	8.424	45	100815	19.627	ng/u1	97
16) Acetophenone	8.717	105	104509	20.420	ng/u1	96
17) N-Nitroso-di-n-propyla...	8.700	70	54819	19.571	ng/u1	100
18) 4-Methylphenol	8.664	108	68754	19.839	ng/u1	98
19) Hexachloroethane	8.976	117	21994	19.328	ng/u1	98
22) Nitrobenzene	9.099	77	77271	19.207	ng/u1	93
23) Isophorone	9.616	82	171254	18.987	ng/u1	99
25) 2-Nitrophenol	9.810	139	33955	19.301	ng/u1	99
26) 2,4-Dimethylphenol	9.869	107	75216	19.175	ng/u1	97
27) Bis(2-Chloroethoxy)met...	10.104	93	90721	18.991	ng/u1	99
29) 2,4-Dichlorophenol	10.351	162	58840	19.635	ng/u1	97
30) Naphthalene	10.750	128	205151	19.070	ng/u1	100
32) 4-Chloroaniline	10.862	127	95015	20.311	ng/u1	99
33) Hexachlorobutadiene	11.032	225	40005	18.670	ng/u1	98
34) Caprolactam	11.632	113	24595	19.761	ng/u1	98
35) 4-Chloro-3-methylphenol	11.984	107	72220	18.937	ng/u1	94
36) 2-Methylnaphthalene	12.360	142	137864	19.128	ng/u1	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.577	142	141004	19.088	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.730	216	81501	18.637	ng/ul	99
40) Hexachlorocyclopentadiene	12.707	237	39813	16.927	ng/ul	94
41) 2,4,6-Trichlorophenol	12.965	196	55102	18.613	ng/ul	97
42) 2,4,5-Trichlorophenol	13.042	196	57352	18.168	ng/ul	97
43) 1,1'-Biphenyl	13.371	154	191256	18.722	ng/ul	98
44) 2-Chloronaphthalene	13.412	162	154124	18.976	ng/ul	96
45) 2-Nitroaniline	13.617	65	53250	18.875	ng/ul	96
47) Dimethylphthalate	13.988	163	219789	18.783	ng/ul	98
48) 2,6-Dinitrotoluene	14.111	165	42823	18.939	ng/ul	96
50) Acenaphthylene	14.258	152	252572	19.166	ng/ul	99
51) 3-Nitroaniline	14.440	138	32445	17.218	ng/ul	90
52) Acenaphthene	14.599	153	174280	19.048	ng/ul	98
53) 2,4-Dinitrophenol	14.652	184	20153	16.747	ng/ul	91
55) 4-Nitrophenol	14.751	109	25055	18.492	ng/ul	92
56) Dibenzofuran	14.934	168	247952	19.033	ng/ul	99
57) 2,4-Dinitrotoluene	14.898	165	64203	19.686	ng/ul#	91
58) 2,3,4,6-Tetrachlorophenol	15.163	232	54644	18.735	ng/ul#	97
59) Diethylphthalate	15.345	149	228355	18.943	ng/ul	99
61) Fluorene	15.580	166	206638	19.342	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.574	204	107868	19.019	ng/ul	97
63) 4-Nitroaniline	15.603	138	27427	16.086	ng/ul	96
66) 4,6-Dinitro-2-methylph...	15.662	198	36142	18.222	ng/ul	99
67) N-Nitrosodiphenylamine	15.785	169	175237	18.682	ng/ul	99
68) 4-Bromophenyl-phenylether	16.467	248	73428	18.320	ng/ul	94
69) Hexachlorobenzene	16.585	284	83721	18.512	ng/ul	98
70) Atrazine	16.737	200	71154	19.348	ng/ul	97
71) Pentachlorophenol	16.931	266	44237	17.425	ng/ul	92
72) Phenanthrene	17.325	178	341341	18.982	ng/ul	99
74) Anthracene	17.413	178	343615	19.034	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.335	216	85514	18.017	ng/ul	97
76) Pentachlorobenzene	14.851	250	95441	18.388	ng/ul	96
77) Carbazole	17.683	167	316441	20.221	ng/ul	99
78) Di-n-butylphthalate	18.236	149	384935	19.358	ng/ul	100
80) Fluoranthene	19.334	202	414021	18.810	ng/ul	98
82) Pyrene	19.699	202	425407	19.075	ng/ul	99
83) Butylbenzylphthalate	20.580	149	162029	18.451	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.432	252	135763	18.696	ng/ul	98
85) Benzo(a)anthracene	21.508	228	406074	18.572	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.414	149	228041	18.257	ng/ul	100
87) Chrysene	21.573	228	390974	18.852	ng/ul	99
89) Di-n-octyl phthalate	22.589	149	396426	19.194	ng/ul	100
90) Benzo(b)fluoranthene	23.664	252	417857	18.605	ng/ul	99
91) Benzo(k)fluoranthene	23.729	252	399775	17.847	ng/ul	99
93) Benzo(a)pyrene	24.516	252	364763	18.260	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	28.230	276	479221	18.208	ng/ul	98
95) Dibenzo(a,h)anthracene	28.288	278	391863	18.156	ng/ul	98
96) Benzo(g,h,i)perylene	29.340	276	390854	18.227	ng/ul	98

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

