

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110423\
 Data File : BG059614.D
 Acq On : 4 Nov 2023 9:13
 Operator : MA/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020472

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/06/2023
 Supervised By :mohammad ahmed 11/08/2023

Quant Time: Nov 06 00:09:24 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG110323.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Nov 04 02:46:50 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.357	152	47139	20.000	ng/ul	# 0.01
20) Naphthalene-d8	11.201	136	218802	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.985	164	146329	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.735	188	321484	20.000	ng/ul	# 0.00
79) Chrysene-d12	22.071	240	299642	20.000	ng/ul	0.00
88) Perylene-d12	25.667	264	337088	20.000	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.651	96	9535	7.581	ng/uL	0.00
4) Pyridine-d5	4.080	84	63126	17.068	ng/ul	0.00
7) Phenol-d5	7.464	99	96422	20.007	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.670	67	47135	18.292	ng/ul	0.00
11) 2-Chlorophenol-d4	7.864	132	67032	20.479	ng/ul	0.00
15) 4-Methylphenol-d8	9.039	113	78246	19.838	ng/ul	0.00
21) Nitrobenzene-d5	9.550	128	32945	20.589	ng/ul	0.00
24) 2-Nitrophenol-d4	10.273	143	38992	20.192	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.796	165	68696	20.023	ng/ul	0.00
31) 4-Chloroaniline-d4	11.342	131	110173	20.407	ng/ul	0.00
46) Dimethylphthalate-d6	14.374	166	257303	21.910	ng/ul	0.00
49) Acenaphthylene-d8	14.685	160	299808	21.409	ng/ul	0.00
54) 4-Nitrophenol-d4	15.155	143	39835	19.212	ng/ul	0.00
60) Fluorene-d10	15.972	176	214839	19.432	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	16.072	200	36668	18.020	ng/ul	0.00
73) Anthracene-d10	17.835	188	333206	19.803	ng/ul	0.00
81) Pyrene-d10	20.102	212	317480	16.557	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.414	264	400522	20.297	ng/ul	0.00
Target Compounds					Qvalue	
2) 1,4-Dioxane	3.686	88	9067	6.309	ng/uL#	75
5) Pyridine	4.098	79	69818	17.875	ng/ul#	91
6) Benzaldehyde	7.494	77	60131	19.735	ng/ul	91
8) Phenol	7.494	94	93556	19.496	ng/ul	94
10) Bis(2-Chloroethyl)ether	7.764	93	64387	19.421	ng/ul	93
12) 2-Chlorophenol	7.899	128	66782	19.558	ng/ul#	75
13) 2-Methylphenol	8.769	108	75905	19.119	ng/ul	100
14) 2,2'-oxybis(1-Chloropr...	8.874	45	30995m	20.903	ng/ul	
16) Acetophenone	9.198	105	127445	18.213	ng/ul	98
17) N-Nitroso-di-n-propyla...	9.162	70	68729	18.590	ng/ul#	84
18) 4-Methylphenol	9.104	108	83073	19.545	ng/ul	98
19) Hexachloroethane	9.438	117	27068	18.082	ng/ul#	80
22) Nitrobenzene	9.597	77	92239	19.394	ng/ul#	91
23) Isophorone	10.102	82	198357	18.110	ng/ul#	92
25) 2-Nitrophenol	10.302	139	34578	16.634	ng/ul#	69
26) 2,4-Dimethylphenol	10.326	107	94875	18.002	ng/ul#	83
27) Bis(2-Chloroethoxy)met...	10.584	93	82473	17.455	ng/ul	99
29) 2,4-Dichlorophenol	10.825	162	68302	20.596	ng/ul#	96
30) Naphthalene	11.254	128	245361	19.153	ng/ul#	93
32) 4-Chloroaniline	11.366	127	103821	20.214	ng/ul#	88
33) Hexachlorobutadiene	11.483	225	45439	19.481	ng/ul	98
34) Caprolactam	12.147	113	25592m	22.127	ng/ul	
35) 4-Chloro-3-methylphenol	12.435	107	87627	19.510	ng/ul	85
36) 2-Methylnaphthalene	12.835	142	186695	20.000	ng/ul	91

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	13.052	142	183284	19.225	ng/ul	97
39) 1,2,4,5-Tetrachloroben...	13.175	216	82493	20.179	ng/ul	96
40) Hexachlorocyclopentadiene	13.128	237	52512	17.841	ng/ul#	91
41) 2,4,6-Trichlorophenol	13.410	196	59805	22.508	ng/ul#	86
42) 2,4,5-Trichlorophenol	13.481	196	62755	21.386	ng/ul#	61
43) 1,1'-Biphenyl	13.822	154	259889	20.776	ng/ul#	95
44) 2-Chloronaphthalene	13.874	162	189146	20.299	ng/ul#	92
45) 2-Nitroaniline	14.080	65	45645	19.545	ng/ul	90
47) Dimethylphthalate	14.427	163	253306	21.192	ng/ul	97
48) 2,6-Dinitrotoluene	14.568	165	44762	20.781	ng/ul	89
50) Acenaphthylene	14.715	152	331117	20.957	ng/ul	98
51) 3-Nitroaniline	14.903	138	49996	21.093	ng/ul#	74
52) Acenaphthene	15.044	153	216514	20.785	ng/ul	97
53) 2,4-Dinitrophenol	15.097	184	29331	19.341	ng/ul#	95
55) 4-Nitrophenol	15.173	109	62491	16.953	ng/ul	90
56) Dibenzofuran	15.379	168	293929	20.792	ng/ul	94
57) 2,4-Dinitrotoluene	15.343	165	68563	21.298	ng/ul	98
58) 2,3,4,6-Tetrachlorophenol	15.584	232	53615	21.109	ng/ul#	94
59) Diethylphthalate	15.766	149	249098	19.812	ng/ul	99
61) Fluorene	16.025	166	239569	19.744	ng/ul	87
62) 4-Chlorophenyl-phenyle...	16.007	204	121161	20.524	ng/ul	94
63) 4-Nitroaniline	16.066	138	44311	19.334	ng/ul	92
66) 4,6-Dinitro-2-methylph...	16.090	198	39778	20.142	ng/ul#	91
67) N-Nitrosodiphenylamine	16.225	169	214331	20.336	ng/ul	96
68) 4-Bromophenyl-phenylether	16.906	248	71888	21.156	ng/ul	96
69) Hexachlorobenzene	17.000	284	71954	22.615	ng/ul#	82
70) Atrazine	17.159	200	70467	19.523	ng/ul	96
71) Pentachlorophenol	17.347	266	43028	19.387	ng/ul	91
72) Phenanthrene	17.776	178	391063	20.766	ng/ul	96
74) Anthracene	17.870	178	387724	19.489	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.780	216	85637	21.784	ng/ul#	80
76) Pentachlorobenzene	15.273	250	83823	21.091	ng/ul#	77
77) Carbazole	18.140	167	319707	18.671	ng/ul	98
78) Di-n-butylphthalate	18.651	149	331168	17.086	ng/ul	99
80) Fluoranthene	19.768	202	398110	16.932	ng/ul#	95
82) Pyrene	20.132	202	383487	16.207	ng/ul#	96
83) Butylbenzylphthalate	20.996	149	187401	21.129	ng/ul	91
84) 3,3'-Dichlorobenzidine	21.953	252	167825	22.651	ng/ul#	90
85) Benzo(a)anthracene	22.041	228	468720	19.954	ng/ul	95
86) Bis(2-ethylhexyl)phtha...	21.883	149	279913	21.135	ng/ul	98
87) Chrysene	22.118	228	417451	19.574	ng/ul	97
89) Di-n-octyl phthalate	23.228	149	466019	25.070	ng/ul	100
90) Benzo(b)fluoranthene	24.503	252	493592	21.501	ng/ul#	91
91) Benzo(k)fluoranthene	24.580	252	463761	19.806	ng/ul	93
93) Benzo(a)pyrene	25.502	252	442044	19.917	ng/ul	96
94) Indeno(1,2,3-cd)pyrene	29.856	276	569236m	20.056	ng/ul	
95) Dibenzo(a,h)anthracene	29.938	278	474814m	20.163	ng/ul	
96) Benzo(g,h,i)perylene	31.184	276	442291m	19.850	ng/ul	

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

