

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110423\
 Data File : BG059669.D
 Acq On : 6 Nov 2023 1:10
 Operator : MA/JU
 Sample : SSTDCC020
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020476

Manual Integrations
 APPROVED

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

Quant Time: Nov 06 02:48:02 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	8.347	152	34662	20.000	ng/ul	0.00
20) Naphthalene-d8	11.197	136	163699	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.981	164	114962	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.730	188	270943	20.000	ng/ul	# 0.00
79) Chrysene-d12	22.061	240	340485	20.000	ng/ul	#-0.01
88) Perylene-d12	25.668	264	389930	20.000	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.641	96	5011	5.418	ng/uL	0.00
4) Pyridine-d5	4.082	84	44482	16.356	ng/ul	0.00
7) Phenol-d5	7.460	99	67027	18.914	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.666	67	28696	15.145	ng/ul	0.00
11) 2-Chlorophenol-d4	7.865	132	50792	21.104	ng/ul	0.00
15) 4-Methylphenol-d8	9.035	113	55335	19.079	ng/ul	0.00
21) Nitrobenzene-d5	9.546	128	26543	22.172	ng/ul	0.00
24) 2-Nitrophenol-d4	10.269	143	29247	20.244	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.791	165	56136	21.870	ng/ul	0.00
31) 4-Chloroaniline-d4	11.338	131	74437	18.429	ng/ul	0.00
46) Dimethylphthalate-d6	14.370	166	184767	20.026	ng/ul	0.00
49) Acenaphthylene-d8	14.681	160	218107	19.825	ng/ul	0.00
54) 4-Nitrophenol-d4	15.151	143	32684	20.064	ng/ul	0.00
60) Fluorene-d10	15.968	176	170792	19.662	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	16.068	200	36216	21.118	ng/ul	0.00
73) Anthracene-d10	17.830	188	271273m	19.130	ng/ul	0.00
81) Pyrene-d10	20.098	212	406515	18.657	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.404	264	453701	19.876	ng/ul	-0.02
Target Compounds						
2) 1,4-Dioxane	3.682	88	6587	6.234	ng/uL#	88
5) Pyridine	4.105	79	46121	16.058	ng/ul	94
6) Benzaldehyde	7.489	77	47129	21.035	ng/ul	95
8) Phenol	7.489	94	65840	18.659	ng/ul#	87
10) Bis(2-Chloroethyl)ether	7.766	93	39821	16.335	ng/ul	93
12) 2-Chlorophenol	7.895	128	49783	19.828	ng/ul#	82
13) 2-Methylphenol	8.770	108	54059	18.518	ng/ul	90
14) 2,2'-oxybis(1-Chloropr...	8.853	45	17222m	15.795	ng/ul	
16) Acetophenone	9.193	105	95363	18.534	ng/ul	95
17) N-Nitroso-di-n-propyla...	9.152	70	47153	17.345	ng/ul#	92
18) 4-Methylphenol	9.099	108	57507	18.400	ng/ul	96
19) Hexachloroethane	9.434	117	25964	23.589	ng/ul#	79
22) Nitrobenzene	9.593	77	75780	21.297	ng/ul#	88
23) Isophorone	10.098	82	139571	17.032	ng/ul#	91
25) 2-Nitrophenol	10.298	139	28601	18.390	ng/ul#	55
26) 2,4-Dimethylphenol	10.321	107	79268	20.104	ng/ul	92
27) Bis(2-Chloroethoxy)met...	10.586	93	61024	17.262	ng/ul#	95
29) 2,4-Dichlorophenol	10.821	162	51260	20.660	ng/ul#	85
30) Naphthalene	11.244	128	180875	18.872	ng/ul	98
32) 4-Chloroaniline	11.361	127	71850	18.698	ng/ul#	87
33) Hexachlorobutadiene	11.479	225	34292	19.650	ng/ul#	81
34) Caprolactam	12.137	113	17682m	20.434	ng/ul	
35) 4-Chloro-3-methylphenol	12.431	107	67487	20.084	ng/ul	86
36) 2-Methylnaphthalene	12.824	142	134870	19.311	ng/ul	85

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	13.042	142	135077	18.937	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	13.165	216	67026	20.869	ng/ul#	95
40) Hexachlorocyclopentadiene	13.124	237	52939	22.893	ng/ul	95
41) 2,4,6-Trichlorophenol	13.412	196	49071	23.507	ng/ul	87
42) 2,4,5-Trichlorophenol	13.477	196	50573m	21.937	ng/ul	
43) 1,1'-Biphenyl	13.817	154	186476	18.975	ng/ul#	97
44) 2-Chloronaphthalene	13.870	162	143505	19.603	ng/ul	94
45) 2-Nitroaniline	14.082	65	42925	23.395	ng/ul#	83
47) Dimethylphthalate	14.417	163	188819	20.107	ng/ul	99
48) 2,6-Dinitrotoluene	14.558	165	34508	20.392	ng/ul#	91
50) Acenaphthylene	14.710	152	235091	18.939	ng/ul	97
51) 3-Nitroaniline	14.904	138	40296	21.639	ng/ul	89
52) Acenaphthene	15.045	153	161593	19.746	ng/ul	90
53) 2,4-Dinitrophenol	15.086	184	24032	20.171	ng/ul#	73
55) 4-Nitrophenol	15.169	109	73186	25.272	ng/ul	87
56) Dibenzofuran	15.374	168	218291	19.654	ng/ul	99
57) 2,4-Dinitrotoluene	15.339	165	56379	22.292	ng/ul#	78
58) 2,3,4,6-Tetrachlorophenol	15.580	232	45443	22.773	ng/ul#	95
59) Diethylphthalate	15.762	149	209100	21.168	ng/ul	95
61) Fluorene	16.021	166	190725	20.007	ng/ul	98
62) 4-Chlorophenyl-phenyle...	16.003	204	99787	21.515	ng/ul#	92
63) 4-Nitroaniline	16.062	138	38139	21.182	ng/ul#	56
66) 4,6-Dinitro-2-methylph...	16.085	198	37028	22.247	ng/ul#	93
67) N-Nitrosodiphenylamine	16.220	169	166720	18.769	ng/ul	94
68) 4-Bromophenyl-phenylether	16.902	248	63689	22.239	ng/ul	91
69) Hexachlorobenzene	16.990	284	62864	23.444	ng/ul	96
70) Atrazine	17.155	200	63957	21.024	ng/ul	92
71) Pentachlorophenol	17.348	266	40788	21.806	ng/ul#	85
72) Phenanthrene	17.771	178	315733	19.893	ng/ul	96
74) Anthracene	17.865	178	320549	19.118	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.776	216	65123	19.655	ng/uL#	77
76) Pentachlorobenzene	15.269	250	70020	20.905	ng/uL	88
77) Carbazole	18.136	167	285063	19.754	ng/ul	96
78) Di-n-butylphthalate	18.647	149	338644	20.731	ng/ul#	97
80) Fluoranthene	19.763	202	505791	18.932	ng/ul#	93
82) Pyrene	20.128	202	495192	18.417	ng/ul#	96
83) Butylbenzylphthalate	20.991	149	214185	21.252	ng/ul#	80
84) 3,3'-Dichlorobenzidine	21.955	252	191782	22.779	ng/ul#	90
85) Benzo(a)anthracene	22.043	228	508971	19.068	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.873	149	302587	20.107	ng/ul#	100
87) Chrysene	22.113	228	472997	19.518	ng/ul	99
89) Di-n-octyl phthalate	23.218	149	513888	23.899	ng/ul	100
90) Benzo(b)fluoranthene	24.493	252	553569	20.846	ng/ul	95
91) Benzo(k)fluoranthene	24.575	252	540047	19.938	ng/ul#	95
93) Benzo(a)pyrene	25.486	252	481814	18.767	ng/ul#	90
94) Indeno(1,2,3-cd)pyrene	29.846	276	646831m	19.702	ng/ul	
95) Dibenzo(a,h)anthracene	29.928	278	539463	19.804	ng/ul#	96
96) Benzo(g,h,i)perylene	31.162	276	509306	19.760	ng/ul#	97

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

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