

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103023\
 Data File : BG059545.D
 Acq On : 30 Oct 2023 12:03
 Operator : MA/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020462

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/01/2023
 Supervised By :mohammad ahmed 11/01/2023

Quant Time: Oct 31 05:10:26 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG102723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Oct 28 03:56:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.361	152	80052	20.000	ng/u1	0.00
20) Naphthalene-d8	11.210	136	372908	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.988	164	232098	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.744	188	505095m	20.000	ng/u1	0.00
79) Chrysene-d12	22.080	240	383431	20.000	ng/u1	0.00
88) Perylene-d12	25.699	264	418509	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.660	96	13563	6.339	ng/uL	0.00
4) Pyridine-d5	4.095	84	101462	16.970	ng/u1	0.00
7) Phenol-d5	7.473	99	155049	18.848	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.679	67	69268	18.332	ng/u1	0.00
11) 2-Chlorophenol-d4	7.879	132	127875	19.161	ng/u1	0.00
15) 4-Methylphenol-d8	9.042	113	130502	19.996	ng/u1	0.00
21) Nitrobenzene-d5	9.565	128	60820	22.938	ng/u1	0.00
24) 2-Nitrophenol-d4	10.276	143	62957	23.129	ng/u1	-0.01
28) 2,4-Dichlorophenol-d3	10.805	165	127595	21.276	ng/u1	0.00
31) 4-Chloroaniline-d4	11.351	131	202056	20.467	ng/u1	0.00
46) Dimethylphthalate-d6	14.383	166	382507	18.191	ng/u1	0.00
49) Acenaphthylene-d8	14.694	160	461458	18.700	ng/u1	0.00
54) 4-Nitrophenol-d4	15.158	143	71338	19.784	ng/u1	0.00
60) Fluorene-d10	15.981	176	325413	18.108	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	16.081	200	45305m	18.940	ng/u1	0.00
73) Anthracene-d10	17.844	188	518000	18.930	ng/u1	0.00
81) Pyrene-d10	20.111	212	527768	19.802	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.435	264	465498	18.889	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.695	88	15390	6.427	ng/uL	96
5) Pyridine	4.113	79	102938	17.454	ng/u1	92
6) Benzaldehyde	7.509	77	79728	21.518	ng/u1	94
8) Phenol	7.503	94	146567	18.899	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.773	93	101511	17.849	ng/u1	95
12) 2-Chlorophenol	7.914	128	136020	20.559	ng/u1#	84
13) 2-Methylphenol	8.778	108	124567	19.268	ng/u1	95
14) 2,2'-oxybis(1-Chloropr...	8.878	45	91886	17.169	ng/u1#	87
16) Acetophenone	9.207	105	195317	18.985	ng/u1	97
17) N-Nitroso-di-n-propyla...	9.171	70	84053	17.340	ng/u1#	98
18) 4-Methylphenol	9.107	108	132399	19.248	ng/u1	95
19) Hexachloroethane	9.453	117	50111	19.070	ng/u1	95
22) Nitrobenzene	9.600	77	131880	23.043	ng/u1	91
23) Isophorone	10.111	82	254993	17.692	ng/u1#	86
25) 2-Nitrophenol	10.311	139	66422	22.689	ng/u1#	82
26) 2,4-Dimethylphenol	10.335	107	155875	20.243	ng/u1	91
27) Bis(2-Chloroethoxy)met...	10.599	93	148118	18.457	ng/u1	95
29) 2,4-Dichlorophenol	10.834	162	121665	20.969	ng/u1#	89
30) Naphthalene	11.263	128	438514	18.867	ng/u1	97
32) 4-Chloroaniline	11.375	127	182085	19.417	ng/u1#	86
33) Hexachlorobutadiene	11.492	225	65031	18.683	ng/u1	99
34) Caprolactam	12.150	113	41162m	19.392	ng/u1	
35) 4-Chloro-3-methylphenol	12.438	107	144712	20.904	ng/u1	88
36) 2-Methylnaphthalene	12.838	142	313273	19.592	ng/u1	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	13.055	142	316337	19.862	ng/ul#	94
39) 1,2,4,5-Tetrachloroben...	13.178	216	135018	20.169	ng/ul	98
40) Hexachlorocyclopentadiene	13.137	237	67457	17.286	ng/ul	98
41) 2,4,6-Trichlorophenol	13.419	196	93710	20.216	ng/ul#	90
42) 2,4,5-Trichlorophenol	13.490	196	103134m	20.551	ng/ul	
43) 1,1'-Biphenyl	13.831	154	414624	19.747	ng/ul	98
44) 2-Chloronaphthalene	13.883	162	310206	19.009	ng/ul	96
45) 2-Nitroaniline	14.089	65	72573	23.901	ng/ul	97
47) Dimethylphthalate	14.430	163	381333	18.356	ng/ul	97
48) 2,6-Dinitrotoluene	14.571	165	70779	22.585	ng/ul#	70
50) Acenaphthylene	14.724	152	535192	18.823	ng/ul	98
51) 3-Nitroaniline	14.912	138	88191	22.577	ng/ul#	79
52) Acenaphthene	15.053	153	327730	17.683	ng/ul	97
53) 2,4-Dinitrophenol	15.106	184	31811	17.865	ng/ul#	85
55) 4-Nitrophenol	15.176	109	86043	21.652	ng/ul	92
56) Dibenzofuran	15.388	168	446581	18.586	ng/ul	99
57) 2,4-Dinitrotoluene	15.346	165	97486	22.115	ng/ul	98
58) 2,3,4,6-Tetrachlorophenol	15.593	232	80236	20.371	ng/ul#	93
59) Diethylphthalate	15.781	149	409797	18.083	ng/ul	98
61) Fluorene	16.034	166	373091	17.987	ng/ul#	89
62) 4-Chlorophenyl-phenyle...	16.016	204	163167	18.406	ng/ul	94
63) 4-Nitroaniline	16.069	138	89124m	21.499	ng/ul	
66) 4,6-Dinitro-2-methylph...	16.093	198	50374m	19.982	ng/ul	
67) N-Nitrosodiphenylamine	16.234	169	325246	18.845	ng/ul	97
68) 4-Bromophenyl-phenylether	16.915	248	86340	17.082	ng/ul	93
69) Hexachlorobenzene	17.003	284	120550	20.637	ng/ul	96
70) Atrazine	17.168	200	109438m	20.463	ng/ul	
71) Pentachlorophenol	17.362	266	75184m	22.530	ng/ul	
72) Phenanthrene	17.785	178	610148m	18.582	ng/ul	
74) Anthracene	17.879	178	616223	18.586	ng/ul	96
75) 1,2,3,4-Tetrachloroben...	13.784	216	134994	20.070	ng/ul	96
76) Pentachlorobenzene	15.282	250	121508	19.037	ng/ul	98
77) Carbazole	18.149	167	567564	19.927	ng/ul	95
78) Di-n-butylphthalate	18.666	149	717672	18.339	ng/ul	99
80) Fluoranthene	19.777	202	648675	19.967	ng/ul	99
82) Pyrene	20.141	202	650218	19.268	ng/ul	97
83) Butylbenzylphthalate	21.010	149	304334	19.969	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.968	252	207699	20.830	ng/ul#	91
85) Benzo(a)anthracene	22.062	228	581163	18.418	ng/ul	94
86) Bis(2-ethylhexyl)phtha...	21.909	149	446092	19.617	ng/ul#	96
87) Chrysene	22.133	228	540201	18.404	ng/ul	96
89) Di-n-octyl phthalate	23.261	149	738745	20.161	ng/ul	100
90) Benzo(b)fluoranthene	24.530	252	562280	18.535	ng/ul	95
91) Benzo(k)fluoranthene	24.606	252	569327	18.788	ng/ul	98
93) Benzo(a)pyrene	25.523	252	532906	18.586	ng/ul	95
94) Indeno(1,2,3-cd)pyrene	29.882	276	683703m	18.813	ng/ul	
95) Dibenzo(a,h)anthracene	29.994	278	574366m	19.136	ng/ul	
96) Benzo(g,h,i)perylene	31.216	276	529154m	17.790	ng/ul	

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

