

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100723\
 Data File : BG059351.D
 Acq On : 7 Oct 2023 20:55
 Operator : MA/JU
 Sample : 04607-12MSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BBJQ2MSD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/09/2023
 Supervised By :mohammad ahmed 10/09/2023

Quant Time: Oct 08 00:08:16 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.228	152	41207	20.000	ng/u1	0.00
20) Naphthalene-d8	11.072	136	211011	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.868	164	140278	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.617	188	313392m	20.000	ng/u1	0.00
79) Chrysene-d12	21.918	240	272588	20.000	ng/u1	0.00
88) Perylene-d12	25.402	264	324351	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.528	96	5021	4.344	ng/uL	0.00
4) Pyridine-d5	3.963	84	40211	12.088	ng/u1	0.00
7) Phenol-d5	7.359	99	38320	8.422	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.553	67	119378	46.419	ng/u1	0.00
11) 2-Chlorophenol-d4	7.746	132	105666	33.205	ng/u1	0.00
15) 4-Methylphenol-d8	8.927	113	71195	20.083	ng/u1	0.00
21) Nitrobenzene-d5	9.427	128	82882	46.141	ng/u1	0.00
24) 2-Nitrophenol-d4	10.150	143	78921	40.593	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.678	165	138760	39.542	ng/u1	0.00
31) 4-Chloroaniline-d4	11.219	131	177363	31.819	ng/u1	0.00
46) Dimethylphthalate-d6	14.262	166	512801	44.621	ng/u1	0.00
49) Acenaphthylene-d8	14.568	160	581298	42.504	ng/u1	0.00
54) 4-Nitrophenol-d4	15.061	143	18164	8.434	ng/u1	0.00
60) Fluorene-d10	15.855	176	470272	42.869	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.972	200	97043	46.900	ng/u1	0.00
73) Anthracene-d10	17.717	188	707327	46.010	ng/u1	0.00
81) Pyrene-d10	19.991	212	795866	48.196	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.155	264	803627	47.084	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.563	88	7980	6.468	ng/uL#	81
5) Pyridine	3.986	79	45638	13.588	ng/u1	94
6) Benzaldehyde	7.376	77	99283	52.605	ng/u1	99
8) Phenol	7.382	94	44815	9.960	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.647	93	155315	44.824	ng/u1	99
12) 2-Chlorophenol	7.782	128	116491	34.741	ng/u1#	91
13) 2-Methylphenol	8.657	108	87510	26.029	ng/u1	95
14) 2,2'-oxybis(1-Chloropr...	8.734	45	327331m	45.151	ng/u1	
16) Acetophenone	9.074	105	245164	45.510	ng/u1	94
17) N-Nitroso-di-n-propyla...	9.033	70	120530	44.903	ng/u1#	95
18) 4-Methylphenol	8.992	108	80242	21.704	ng/u1	99
19) Hexachloroethane	9.315	117	107475	88.118	ng/u1	91
22) Nitrobenzene	9.474	77	177343	45.035	ng/u1#	89
23) Isophorone	9.979	82	380927	45.301	ng/u1	95
25) 2-Nitrophenol	10.179	139	91412	45.590	ng/u1	90
26) 2,4-Dimethylphenol	10.208	107	123977	31.343	ng/u1	93
27) Bis(2-Chloroethoxy)met...	10.461	93	233856	46.280	ng/u1	98
29) 2,4-Dichlorophenol	10.702	162	146893	41.570	ng/u1	98
30) Naphthalene	11.125	128	545779	44.721	ng/u1	97
32) 4-Chloroaniline	11.242	127	174769	33.143	ng/u1	99
33) Hexachlorobutadiene	11.348	225	101272	47.467	ng/u1	97
34) Caprolactam	12.065	113	10172m	7.927	ng/u1	
35) 4-Chloro-3-methylphenol	12.318	107	144061	37.993	ng/u1	99
36) 2-Methylnaphthalene	12.711	142	373225	45.874	ng/u1	90

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.923	142	371166	43.939	ng/ul#	95
39) 1,2,4,5-Tetrachloroben...	13.052	216	198849	47.589	ng/ul#	92
40) Hexachlorocyclopentadiene	13.005	237	83860	33.430	ng/ul#	92
41) 2,4,6-Trichlorophenol	13.299	196	133621	47.129	ng/ul	97
42) 2,4,5-Trichlorophenol	13.369	196	146075	47.438	ng/ul	95
43) 1,1'-Biphenyl	13.698	154	534818	46.323	ng/ul	98
44) 2-Chloronaphthalene	13.757	162	411217	46.336	ng/ul	98
45) 2-Nitroaniline	13.974	65	143372	49.335	ng/ul	95
47) Dimethylphthalate	14.309	163	555242	48.072	ng/ul	99
48) 2,6-Dinitrotoluene	14.456	165	122112	52.404	ng/ul	97
50) Acenaphthylene	14.597	152	667027	45.373	ng/ul	98
51) 3-Nitroaniline	14.797	138	110567	48.458	ng/ul	96
52) Acenaphthene	14.932	153	458908	46.136	ng/ul	98
53) 2,4-Dinitrophenol	14.991	184	71636	42.799	ng/ul	93
55) 4-Nitrophenol	15.073	109	14788	10.177	ng/ul	88
56) Dibenzofuran	15.261	168	635650	46.315	ng/ul	98
57) 2,4-Dinitrotoluene	15.232	165	165067	48.369	ng/ul#	92
58) 2,3,4,6-Tetrachlorophenol	15.473	232	139587	47.242	ng/ul#	94
59) Diethylphthalate	15.655	149	536824	46.731	ng/ul	100
61) Fluorene	15.907	166	553301	47.382	ng/ul	96
62) 4-Chlorophenyl-phenyle...	15.890	204	275300	47.712	ng/ul	97
63) 4-Nitroaniline	15.960	138	118153	57.517	ng/ul	97
66) 4,6-Dinitro-2-methylph...	15.984	198	114237m	51.909	ng/ul	
67) N-Nitrosodiphenylamine	16.113	169	459131	51.770	ng/ul	99
68) 4-Bromophenyl-phenylether	16.789	248	167597	50.362	ng/ul	98
69) Hexachlorobenzene	16.883	284	191443	50.398	ng/ul	98
70) Atrazine	17.047	200	165952	47.196	ng/ul	96
71) Pentachlorophenol	17.235	266	117636	53.285	ng/ul	95
72) Phenanthrene	17.658	178	937283m	50.499	ng/ul	
74) Anthracene	17.752	178	931477	49.345	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.663	216	195864	48.106	ng/uL	93
76) Pentachlorobenzene	15.155	250	201006	47.701	ng/uL	96
77) Carbazole	18.029	167	800032	50.927	ng/ul	97
78) Di-n-butylphthalate	18.528	149	960609	51.685	ng/ul	99
80) Fluoranthene	19.656	202	1056701	51.427	ng/ul	97
82) Pyrene	20.020	202	1099751	51.499	ng/ul	97
83) Butylbenzylphthalate	20.866	149	414735	52.563	ng/ul	100
84) 3,3'-Dichlorobenzidine	21.812	252	211592	31.115	ng/ul#	92
85) Benzo(a)anthracene	21.895	228	1070210	51.407	ng/ul	95
86) Bis(2-ethylhexyl)phtha...	21.724	149	620570	52.588	ng/ul	99
87) Chrysene	21.971	228	1007362	51.515	ng/ul	98
89) Di-n-octyl phthalate	23.017	149	1057267	51.659	ng/ul	100
90) Benzo(b)fluoranthene	24.274	252	1092584	51.126	ng/ul	99
91) Benzo(k)fluoranthene	24.351	252	1112776	51.283	ng/ul	96
93) Benzo(a)pyrene	25.238	252	1031964	50.694	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	29.439	276	1212178m	51.694	ng/ul	
95) Dibenzo(a,h)anthracene	29.515	278	976166	51.196	ng/ul	97
96) Benzo(g,h,i)perylene	30.725	276	971467	51.947	ng/ul	96

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

