

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102723\
 Data File : BG059510.D
 Acq On : 27 Oct 2023 14:05
 Operator : MA/JU
 Sample : SSTD04064
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD040437

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/31/2023
 Supervised By :mohammad ahmed 10/31/2023

Quant Time: Oct 27 15:10:02 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG102723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Oct 27 14:24:16 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.367	152	79682	20.000	ng/ul	0.00
20) Naphthalene-d8	11.217	136	366567	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.989	164	215993	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.744	188	493447	20.000	ng/ul	0.00
79) Chrysene-d12	22.081	240	375916	20.000	ng/ul	0.00
88) Perylene-d12	25.688	264	418266	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.667	96	35123m	9.888	ng/uL	0.01
4) Pyridine-d5	4.096	84	231558	27.200	ng/ul	0.00
7) Phenol-d5	7.468	99	317634	26.869	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.686	67	153149	26.767	ng/ul	0.00
11) 2-Chlorophenol-d4	7.880	132	254095	24.548	ng/ul	0.00
15) 4-Methylphenol-d8	9.049	113	260698	27.580	ng/ul	0.00
21) Nitrobenzene-d5	9.566	128	110874	29.787	ng/ul	0.00
24) 2-Nitrophenol-d4	10.283	143	115068	30.449	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.806	165	243063	26.944	ng/ul	0.00
31) 4-Chloroaniline-d4	11.352	131	393234	28.046	ng/ul	0.00
46) Dimethylphthalate-d6	14.390	166	789609	27.376	ng/ul	0.00
49) Acenaphthylene-d8	14.695	160	935113	27.385	ng/ul	0.00
54) 4-Nitrophenol-d4	15.153	143	137133	31.315	ng/ul	0.00
60) Fluorene-d10	15.982	176	656103	26.619	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	16.082	200	93431	31.708	ng/ul	0.00
73) Anthracene-d10	17.844	188	1039798	26.375	ng/ul	0.00
81) Pyrene-d10	20.112	212	1084854	27.496	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.441	264	979411	25.705	ng/ul	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.696	88	35505	9.819	ng/uL	90
5) Pyridine	4.113	79	235250	27.444	ng/ul	89
6) Benzaldehyde	7.509	77	155105	30.627	ng/ul	96
8) Phenol	7.498	94	304028	26.904	ng/ul#	91
10) Bis(2-Chloroethyl)ether	7.780	93	233185	27.827	ng/ul	97
12) 2-Chlorophenol	7.915	128	254977	24.777	ng/ul	97
13) 2-Methylphenol	8.778	108	265358	28.273	ng/ul	97
14) 2,2'-oxybis(1-Chloropr...	8.872	45	215302m	26.344	ng/ul	
16) Acetophenone	9.213	105	410588	28.047	ng/ul	95
17) N-Nitroso-di-n-propyla...	9.178	70	188323	25.229	ng/ul#	98
18) 4-Methylphenol	9.113	108	281637	28.433	ng/ul	99
19) Hexachloroethane	9.448	117	104728	26.665	ng/ul#	77
22) Nitrobenzene	9.607	77	251267	30.497	ng/ul	94
23) Isophorone	10.118	82	555138	25.165	ng/ul#	90
25) 2-Nitrophenol	10.312	139	127767	31.127	ng/ul#	83
26) 2,4-Dimethylphenol	10.335	107	307931	26.532	ng/ul	94
27) Bis(2-Chloroethoxy)met...	10.600	93	313887	25.330	ng/ul	96
29) 2,4-Dichlorophenol	10.835	162	225906	25.992	ng/ul#	86
30) Naphthalene	11.264	128	897542	26.054	ng/ul#	97
32) 4-Chloroaniline	11.381	127	385326	28.949	ng/ul#	86
33) Hexachlorobutadiene	11.499	225	133851	27.665	ng/ul	94
34) Caprolactam	12.157	113	80607m	27.862	ng/ul	
35) 4-Chloro-3-methylphenol	12.439	107	273281	25.410	ng/ul	99
36) 2-Methylnaphthalene	12.844	142	636868	27.072	ng/ul	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
37) 1-Methylnaphthalene	13.062	142	625984	26.395	ng/ul	96	10/31/2023
39) 1,2,4,5-Tetrachloroben...	13.185	216	258120	28.231	ng/ul	96	Supervised By :mohammad
40) Hexachlorocyclopentadiene	13.138	237	155591	32.446	ng/ul	92	ahmed
41) 2,4,6-Trichlorophenol	13.420	196	177641	28.613	ng/ul	93	
42) 2,4,5-Trichlorophenol	13.491	196	192825	29.027	ng/ul	93	
43) 1,1'-Biphenyl	13.831	154	795157	27.972	ng/ul	97	
44) 2-Chloronaphthalene	13.884	162	615199	27.735	ng/ul	95	10/31/2023
45) 2-Nitroaniline	14.090	65	135034	32.351	ng/ul	94	
47) Dimethylphthalate	14.437	163	781574	27.109	ng/ul#	96	
48) 2,6-Dinitrotoluene	14.578	165	130655	30.991	ng/ul#	77	
50) Acenaphthylene	14.724	152	1078308	28.175	ng/ul	98	
51) 3-Nitroaniline	14.912	138	162789	35.210	ng/ul#	84	
52) Acenaphthene	15.059	153	690692	27.419	ng/ul	99	
53) 2,4-Dinitrophenol	15.100	184	66449	32.311	ng/ul	95	
55) 4-Nitrophenol	15.171	109	156844	33.338	ng/ul	86	
56) Dibenzofuran	15.388	168	910593	27.811	ng/ul	96	
57) 2,4-Dinitrotoluene	15.347	165	193383	31.893	ng/ul#	89	
58) 2,3,4,6-Tetrachlorophenol	15.594	232	154926	29.422	ng/ul	95	
59) Diethylphthalate	15.788	149	856095	26.959	ng/ul	98	
61) Fluorene	16.035	166	765847	27.542	ng/ul	100	
62) 4-Chlorophenyl-phenyle...	16.023	204	330668	27.389	ng/ul	96	
63) 4-Nitroaniline	16.076	138	170289	37.051	ng/ul#	91	
66) 4,6-Dinitro-2-methylph...	16.099	198	98438	31.542	ng/ul#	88	
67) N-Nitrosodiphenylamine	16.240	169	665555	26.689	ng/ul	97	
68) 4-Bromophenyl-phenylether	16.922	248	196633	28.843	ng/ul	90	
69) Hexachlorobenzene	17.004	284	222030	26.312	ng/ul	93	
70) Atrazine	17.175	200	220392	30.014	ng/ul#	89	
71) Pentachlorophenol	17.357	266	138069	31.520	ng/ul	98	
72) Phenanthrene	17.786	178	1248329	27.133	ng/ul	98	
74) Anthracene	17.880	178	1244274	26.580	ng/ul	99	
75) 1,2,3,4-Tetrachloroben...	13.790	216	257079	26.305	ng/uL	95	
76) Pentachlorobenzene	15.283	250	252746	26.902	ng/uL	95	
77) Carbazole	18.150	167	1152907	29.464	ng/ul	99	
78) Di-n-butylphthalate	18.667	149	1489604	27.261	ng/ul	100	
80) Fluoranthene	19.777	202	1338853	28.219	ng/ul	99	
82) Pyrene	20.142	202	1350146	27.767	ng/ul	96	
83) Butylbenzylphthalate	21.011	149	647221	28.634	ng/ul	95	
84) 3,3'-Dichlorobenzidine	21.969	252	426740	32.149	ng/ul	92	
85) Benzo(a)anthracene	22.057	228	1243432	27.278	ng/ul	97	
86) Bis(2-ethylhexyl)phtha...	21.916	149	936447	27.174	ng/ul	100	
87) Chrysene	22.133	228	1154107	26.888	ng/ul	95	
89) Di-n-octyl phthalate	23.273	149	1569919	29.536	ng/ul	100	
90) Benzo(b)fluoranthene	24.525	252	1210945	25.704	ng/ul	96	
91) Benzo(k)fluoranthene	24.601	252	1209484	26.207	ng/ul	98	
93) Benzo(a)pyrene	25.524	252	1141387	26.189	ng/ul	99	
94) Indeno(1,2,3-cd)pyrene	29.895	276	1441118m	26.202	ng/ul		
95) Dibenzo(a,h)anthracene	29.983	278	1183099m	26.549	ng/ul		
96) Benzo(g,h,i)perylene	31.229	276	1138332m	26.035	ng/ul		

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

