

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092324\
 Data File : BG062997.D
 Acq On : 23 Sep 2024 17:51
 Operator : RC/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020504

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/25/2024
 Supervised By :mohammad ahmed 09/26/2024

Quant Time: Sep 23 18:32:01 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091724.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Sep 18 00:45:18 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.859	152	36875	20.000	ng/u1	0.00
20) Naphthalene-d8	10.644	136	145032	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.493	164	132376	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.242	188	330351	20.000	ng/u1	# 0.00
79) Chrysene-d12	21.490	240	355471	20.000	ng/u1	# 0.00
88) Perylene-d12	24.534	264	413863	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.323	96	7599	6.036	ng/uL	0.00
4) Pyridine-d5	3.729	84	45329	13.263	ng/u1	0.00
7) Phenol-d5	7.025	99	74299	19.418	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.183	67	40209	18.778	ng/u1	0.00
11) 2-Chlorophenol-d4	7.389	132	50202	19.984	ng/u1	0.00
15) 4-Methylphenol-d8	8.564	113	58131	20.739	ng/u1	0.00
21) Nitrobenzene-d5	9.005	128	23190	20.070	ng/u1	0.00
24) 2-Nitrophenol-d4	9.733	143	28068	21.413	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.268	165	56539	20.789	ng/u1	0.00
31) 4-Chloroaniline-d4	10.779	131	72175	21.325	ng/u1	0.00
46) Dimethylphthalate-d6	13.893	166	201719	20.492	ng/u1	0.00
49) Acenaphthylene-d8	14.181	160	210255	19.124	ng/u1	0.00
54) 4-Nitrophenol-d4	14.698	143	30380	19.259	ng/u1	0.00
60) Fluorene-d10	15.486	176	186678	20.367	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.603	200	43277	21.671	ng/u1	0.00
73) Anthracene-d10	17.336	188	291836	18.692	ng/u1	0.00
81) Pyrene-d10	19.634	212	399517	18.556	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.322	264	421973	19.333	ng/u1	0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.353	88	8888	7.134	ng/uL#	69
5) Pyridine	3.746	79	42644	12.530	ng/u1#	91
6) Benzaldehyde	6.995	77	49965	23.859	ng/u1#	88
8) Phenol	7.048	94	78074	19.559	ng/u1#	86
10) Bis(2-Chloroethyl)ether	7.277	93	52419	19.423	ng/u1	96
12) 2-Chlorophenol	7.424	128	50073	19.418	ng/u1#	85
13) 2-Methylphenol	8.300	108	58825	21.306	ng/u1	93
14) 2,2'-oxybis(1-Chloropr...	8.370	45	58190	17.378	ng/u1	97
16) Acetophenone	8.670	105	100511	22.796	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.658	70	57407	22.297	ng/u1#	93
18) 4-Methylphenol	8.623	108	65960	21.829	ng/u1	93
19) Hexachloroethane	8.934	117	17981	16.414	ng/u1#	89
22) Nitrobenzene	9.052	77	76987	22.443	ng/u1#	97
23) Isophorone	9.569	82	148321	21.712	ng/u1	96
25) 2-Nitrophenol	9.763	139	27670	19.223	ng/u1#	72
26) 2,4-Dimethylphenol	9.822	107	66709	20.685	ng/u1	96
27) Bis(2-Chloroethoxy)met...	10.051	93	69028	19.008	ng/u1	99
29) 2,4-Dichlorophenol	10.297	162	54670	20.306	ng/u1	98
30) Naphthalene	10.697	128	158883	19.730	ng/u1#	93
32) 4-Chloroaniline	10.797	127	72646	22.046	ng/u1	90
33) Hexachlorobutadiene	10.979	225	49353	22.935	ng/u1	96
34) Caprolactam	11.555	113	20821m	23.231	ng/u1	
35) 4-Chloro-3-methylphenol	11.931	107	67828	21.920	ng/u1	95
36) 2-Methylnaphthalene	12.307	142	118208	20.370	ng/u1	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.524	142	119627	20.369	ng/ul	90
39) 1,2,4,5-Tetrachloroben...	12.677	216	97038	20.684	ng/ul	97
40) Hexachlorocyclopentadiene	12.659	237	56959	22.886	ng/ul	99
41) 2,4,6-Trichlorophenol	12.918	196	57047	19.514	ng/ul	93
42) 2,4,5-Trichlorophenol	12.988	196	59845	19.486	ng/ul	92
43) 1,1'-Biphenyl	13.317	154	183465	18.657	ng/ul#	97
44) 2-Chloronaphthalene	13.359	162	147473	18.661	ng/ul	96
45) 2-Nitroaniline	13.564	65	57682	21.589	ng/ul	95
47) Dimethylphthalate	13.946	163	204355	20.290	ng/ul#	97
48) 2,6-Dinitrotoluene	14.064	165	39279	20.439	ng/ul#	85
50) Acenaphthylene	14.211	152	212358	18.346	ng/ul	98
51) 3-Nitroaniline	14.393	138	35846	20.799	ng/ul#	77
52) Acenaphthene	14.551	153	160191	19.054	ng/ul	100
53) 2,4-Dinitrophenol	14.604	184	25233	21.983	ng/ul	89
55) 4-Nitrophenol	14.710	109	43963	24.680	ng/ul#	86
56) Dibenzofuran	14.892	168	246870	19.800	ng/ul	93
57) 2,4-Dinitrotoluene	14.857	165	62491	21.575	ng/ul	86
58) 2,3,4,6-Tetrachlorophenol	15.121	232	62735	22.699	ng/ul#	88
59) Diethylphthalate	15.315	149	201476	17.979	ng/ul	99
61) Fluorene	15.538	166	189079	19.820	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.533	204	112138	21.302	ng/ul	96
63) 4-Nitroaniline	15.556	138	36616	21.170	ng/ul#	73
66) 4,6-Dinitro-2-methylph...	15.621	198	47592	22.278	ng/ul#	91
67) N-Nitrosodiphenylamine	15.750	169	177669	19.151	ng/ul	95
68) 4-Bromophenyl-phenylether	16.431	248	79764	21.718	ng/ul	96
69) Hexachlorobenzene	16.549	284	102895	24.265	ng/ul#	88
70) Atrazine	16.702	200	78966	20.522	ng/ul	94
71) Pentachlorophenol	16.890	266	51615	21.346	ng/ul	93
72) Phenanthrene	17.283	178	341939	19.484	ng/ul	99
74) Anthracene	17.372	178	346611	19.127	ng/ul	97
75) 1,2,3,4-Tetrachloroben...	13.288	216	95415	18.941	ng/ul	95
76) Pentachlorobenzene	14.810	250	111025	20.882	ng/ul	99
77) Carbazole	17.642	167	275972	19.129	ng/ul	99
78) Di-n-butylphthalate	18.206	149	337218	18.173	ng/ul#	98
80) Fluoranthene	19.299	202	431151	18.350	ng/ul#	91
82) Pyrene	19.663	202	457849	18.278	ng/ul#	92
83) Butylbenzylphthalate	20.562	149	141940	16.304	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.396	252	171906	21.562	ng/ul	94
85) Benzo(a)anthracene	21.473	228	477323	18.955	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.390	149	209939	16.691	ng/ul#	98
87) Chrysene	21.537	228	449267	19.068	ng/ul	99
89) Di-n-octyl phthalate	22.542	149	359000	16.379	ng/ul	100
90) Benzo(b)fluoranthene	23.570	252	496422	19.702	ng/ul#	96
91) Benzo(k)fluoranthene	23.635	252	484251	19.291	ng/ul#	97
93) Benzo(a)pyrene	24.393	252	453506	19.147	ng/ul#	98
94) Indeno(1,2,3-cd)pyrene	27.971	276	568442	19.585	ng/ul#	91
95) Dibenzo(a,h)anthracene	28.018	278	453494	19.546	ng/ul#	93
96) Benzo(g,h,i)perylene	29.028	276	438764	19.689	ng/ul#	92

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

