

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122624\
 Data File : BG063860.D
 Acq On : 27 Dec 2024 9:14
 Operator : RC/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020585

Quant Time: Dec 27 23:28:06 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 24 00:44:39 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/30/2024
 Supervised By :mohammad ahmed 12/30/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.794	152	124588	20.000	ng/u1	0.00
20) Naphthalene-d8	10.585	136	490992	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.439	164	346231	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.195	188	808774	20.000	ng/u1	0.00
79) Chrysene-d12	21.448	240	869139	20.000	ng/u1	0.01
88) Perylene-d12	24.463	264	887536	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.264	96	25221	7.933	ng/uL	0.00
4) Pyridine-d5	3.669	84	193139	19.258	ng/u1	0.00
7) Phenol-d5	6.983	99	209044	18.218	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.130	67	142623	17.997	ng/u1	0.00
11) 2-Chlorophenol-d4	7.336	132	138566	18.653	ng/u1	0.00
15) 4-Methylphenol-d8	8.517	113	156424	17.559	ng/u1	0.00
21) Nitrobenzene-d5	8.951	128	75061	21.411	ng/u1	0.00
24) 2-Nitrophenol-d4	9.668	143	82024	20.873	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.220	165	158095	20.779	ng/u1	0.00
31) 4-Chloroaniline-d4	10.726	131	208425	21.575	ng/u1	0.00
46) Dimethylphthalate-d6	13.846	166	485934	20.626	ng/u1	0.00
49) Acenaphthylene-d8	14.134	160	547778	20.397	ng/u1	0.00
54) 4-Nitrophenol-d4	14.674	143	73858	22.126	ng/u1	0.00
60) Fluorene-d10	15.438	176	424787	20.393	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.573	200	79623	18.962	ng/u1	0.00
73) Anthracene-d10	17.295	188	729220	20.971	ng/u1	0.00
81) Pyrene-d10	19.592	212	897915	19.853	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.257	264	852537	20.455	ng/u1	0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.299	88	30195	8.025	ng/uL	97
5) Pyridine	3.693	79	210869	19.630	ng/u1	92
6) Benzaldehyde	6.936	77	133560	18.976	ng/u1	92
8) Phenol	7.012	94	218944	17.904	ng/u1	94
10) Bis(2-Chloroethyl)ether	7.218	93	171546	18.335	ng/u1	97
12) 2-Chlorophenol	7.365	128	145745	19.382	ng/u1	98
13) 2-Methylphenol	8.252	108	161685	18.293	ng/u1	97
14) 2,2'-oxybis(1-Chloropr...	8.311	45	252414	18.172	ng/u1	97
16) Acetophenone	8.616	105	269718	17.850	ng/u1	94
17) N-Nitroso-di-n-propyla...	8.599	70	157557	17.475	ng/u1	94
18) 4-Methylphenol	8.581	108	176111	18.206	ng/u1	100
19) Hexachloroethane	8.869	117	66505	18.000	ng/u1	97
22) Nitrobenzene	8.992	77	234052	19.993	ng/u1	99
23) Isophorone	9.515	82	428823	19.387	ng/u1	98
25) 2-Nitrophenol	9.703	139	88676	21.957	ng/u1	93
26) 2,4-Dimethylphenol	9.774	107	178139	19.438	ng/u1	95
27) Bis(2-Chloroethoxy)met...	9.997	93	239687	20.034	ng/u1#	95
29) 2,4-Dichlorophenol	10.250	162	153515	20.307	ng/u1	94
30) Naphthalene	10.638	128	486176	19.805	ng/u1	97
32) 4-Chloroaniline	10.749	127	200815	21.848	ng/u1	100
33) Hexachlorobutadiene	10.920	225	111991	18.234	ng/u1	96
34) Caprolactam	11.507	113	58630m	22.435	ng/u1	
35) 4-Chloro-3-methylphenol	11.895	107	168895	19.029	ng/u1	89
36) 2-Methylnaphthalene	12.248	142	342151	19.393	ng/u1	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.471	142	351960	19.585	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.629	216	209965	18.943	ng/ul	92
40) Hexachlorocyclopentadiene	12.600	237	80470	18.365	ng/ul	96
41) 2,4,6-Trichlorophenol	12.876	196	131074	20.923	ng/ul	95
42) 2,4,5-Trichlorophenol	12.953	196	140028	21.418	ng/ul	100
43) 1,1'-Biphenyl	13.264	154	473263	20.727	ng/ul	95
44) 2-Chloronaphthalene	13.311	162	374409	20.420	ng/ul	96
45) 2-Nitroaniline	13.522	65	132925	21.643	ng/ul	93
47) Dimethylphthalate	13.893	163	481298	20.384	ng/ul#	98
48) 2,6-Dinitrotoluene	14.022	165	95247	21.720	ng/ul#	90
50) Acenaphthylene	14.163	152	588473	20.435	ng/ul	98
51) 3-Nitroaniline	14.351	138	69164	17.059	ng/ul	85
52) Acenaphthene	14.504	153	421887	20.670	ng/ul	97
53) 2,4-Dinitrophenol	14.580	184	37923	16.922	ng/ul	88
55) 4-Nitrophenol	14.686	109	78098	22.532	ng/ul	92
56) Dibenzofuran	14.839	168	605199	21.032	ng/ul	97
57) 2,4-Dinitrotoluene	14.815	165	144838	22.228	ng/ul	97
58) 2,3,4,6-Tetrachlorophenol	15.079	232	118322	20.996	ng/ul	94
59) Diethylphthalate	15.262	149	474588	20.792	ng/ul	96
61) Fluorene	15.491	166	474464	20.649	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.485	204	242937	18.978	ng/ul	97
63) 4-Nitroaniline	15.514	138	61234m	15.086	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.591	198	84212	19.466	ng/ul#	97
67) N-Nitrosodiphenylamine	15.702	169	405240	20.692	ng/ul	98
68) 4-Bromophenyl-phenylether	16.378	248	168243	20.412	ng/ul	98
69) Hexachlorobenzene	16.501	284	186106	20.153	ng/ul	97
70) Atrazine	16.654	200	174617	21.092	ng/ul	98
71) Pentachlorophenol	16.854	266	68931	17.703	ng/ul	96
72) Phenanthrene	17.236	178	823687	21.134	ng/ul	99
74) Anthracene	17.330	178	853381	21.633	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.235	216	206295	19.118	ng/ul	100
76) Pentachlorobenzene	14.762	250	212102	19.841	ng/ul	99
77) Carbazole	17.600	167	754032	23.614	ng/ul	98
78) Di-n-butylphthalate	18.158	149	930514	24.129	ng/ul	98
80) Fluoranthene	19.257	202	1036492	20.163	ng/ul	96
82) Pyrene	19.621	202	1113080	20.352	ng/ul#	94
83) Butylbenzylphthalate	20.514	149	403635	24.042	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.349	252	283549	18.072	ng/ul	94
85) Benzo(a)anthracene	21.425	228	1079859	19.825	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.343	149	579474	23.727	ng/ul	97
87) Chrysene	21.490	228	1025525	19.754	ng/ul	96
89) Di-n-octyl phthalate	22.477	149	986816	25.760	ng/ul	100
90) Benzo(b)fluoranthene	23.511	252	1036407	20.546	ng/ul	98
91) Benzo(k)fluoranthene	23.575	252	1029055	20.451	ng/ul	98
93) Benzo(a)pyrene	24.322	252	976106	20.616	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	27.870	276	1177032m	20.356	ng/ul	
95) Dibenzo(a,h)anthracene	27.912	278	945310m	20.431	ng/ul	
96) Benzo(g,h,i)perylene	28.928	276	910344	19.840	ng/ul	95

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

