

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111324\
 Data File : BG063386.D
 Acq On : 14 Nov 2024 11:43
 Operator : RC/JU
 Sample : PB164924BS
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SLCS924

Quant Time: Nov 14 14:31:51 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG110624.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Nov 06 15:45:52 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/15/2024
 Supervised By :mohammad ahmed 11/18/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.831	152	114741	20.000	ng/u1	-0.01
20) Naphthalene-d8	10.622	136	474691	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.470	164	398176	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.220	188	1021038	20.000	ng/u1	0.00
79) Chrysene-d12	21.474	240	1042166	20.000	ng/u1	# 0.00
88) Perylene-d12	24.505	264	1084263	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.301	96	16154m	6.366	ng/uL	0.00
4) Pyridine-d5	3.700	84	235172	28.040	ng/u1	-0.01
7) Phenol-d5	7.008	99	319631	30.871	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.161	67	184957	30.456	ng/u1	-0.01
11) 2-Chlorophenol-d4	7.367	132	221795	33.004	ng/u1	-0.01
15) 4-Methylphenol-d8	8.542	113	262371	29.898	ng/u1	0.00
21) Nitrobenzene-d5	8.988	128	118909	35.631	ng/u1	0.00
24) 2-Nitrophenol-d4	9.705	143	149948	34.765	ng/u1	-0.01
28) 2,4-Dichlorophenol-d3	10.246	165	291181	34.400	ng/u1	0.00
31) 4-Chloroaniline-d4	10.757	131	303511	27.529	ng/u1	0.00
46) Dimethylphthalate-d6	13.877	166	950268	30.468	ng/u1	0.00
49) Acenaphthylene-d8	14.159	160	1043817	34.193	ng/u1	-0.01
54) 4-Nitrophenol-d4	14.688	143	157822	36.958	ng/u1	0.00
60) Fluorene-d10	15.469	176	865666	32.887	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.592	200	215421	33.570	ng/u1	0.00
73) Anthracene-d10	17.320	188	1462167	33.320	ng/u1	0.00
81) Pyrene-d10	19.617	212	1903660	36.433	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.306	264	1853705	35.410	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.330	88	30083	9.630	ng/uL	92
5) Pyridine	3.724	79	238997	27.929	ng/u1	96
6) Benzaldehyde	6.973	77	125067	21.856	ng/u1	97
8) Phenol	7.032	94	334204	29.620	ng/u1	92
10) Bis(2-Chloroethyl)ether	7.255	93	221678	28.889	ng/u1	87
12) 2-Chlorophenol	7.396	128	220154	30.626	ng/u1	97
13) 2-Methylphenol	8.277	108	247357	30.013	ng/u1	92
14) 2,2'-oxybis(1-Chloropr...	8.348	45	314710	32.448	ng/u1	96
16) Acetophenone	8.648	105	395466	27.988	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.636	70	224380	27.224	ng/u1	94
18) 4-Methylphenol	8.606	108	264363	28.209	ng/u1	100
19) Hexachloroethane	8.906	117	94989	32.609	ng/u1#	89
22) Nitrobenzene	9.029	77	342938	33.327	ng/u1	99
23) Isophorone	9.547	82	635085	29.243	ng/u1	97
25) 2-Nitrophenol	9.740	139	145304	34.079	ng/u1	96
26) 2,4-Dimethylphenol	9.805	107	237963	25.587	ng/u1	95
27) Bis(2-Chloroethoxy)met...	10.034	93	329137	31.437	ng/u1	96
29) 2,4-Dichlorophenol	10.275	162	263145	32.977	ng/u1	95
30) Naphthalene	10.669	128	793651	32.676	ng/u1	98
32) 4-Chloroaniline	10.780	127	228042	21.611	ng/u1	98
33) Hexachlorobutadiene	10.957	225	230059	30.123	ng/u1	96
34) Caprolactam	11.538	113	87257m	26.309	ng/u1	
35) 4-Chloro-3-methylphenol	11.914	107	294348	30.741	ng/u1	91
36) 2-Methylnaphthalene	12.285	142	589403	30.617	ng/u1	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.502	142	579283	28.937	ng/ul	92
39) 1,2,4,5-Tetrachloroben...	12.655	216	454293	32.365	ng/ul	98
40) Hexachlorocyclopentadiene	12.637	237	176740	23.060	ng/ul	97
41) 2,4,6-Trichlorophenol	12.901	196	255774	33.758	ng/ul	97
42) 2,4,5-Trichlorophenol	12.978	196	273085	33.238	ng/ul	98
43) 1,1'-Biphenyl	13.301	154	863328	34.206	ng/ul	99
44) 2-Chloronaphthalene	13.342	162	659802	33.579	ng/ul	98
45) 2-Nitroaniline	13.548	65	231620	34.557	ng/ul	95
47) Dimethylphthalate	13.924	163	881452	29.475	ng/ul	98
48) 2,6-Dinitrotoluene	14.047	165	189546	33.122	ng/ul	97
50) Acenaphthylene	14.194	152	1035028	34.036	ng/ul	99
51) 3-Nitroaniline	14.376	138	173925	34.819	ng/ul	97
52) Acenaphthene	14.535	153	727930	33.445	ng/ul	99
53) 2,4-Dinitrophenol	14.594	184	113207	30.005	ng/ul	96
55) 4-Nitrophenol	14.699	109	171164	30.840	ng/ul	90
56) Dibenzofuran	14.870	168	1084785	32.559	ng/ul	98
57) 2,4-Dinitrotoluene	14.840	165	281731	31.127	ng/ul	98
58) 2,3,4,6-Tetrachlorophenol	15.105	232	252853	29.716	ng/ul#	95
59) Diethylphthalate	15.293	149	892750	29.117	ng/ul	98
61) Fluorene	15.522	166	916284	32.494	ng/ul	94
62) 4-Chlorophenyl-phenyle...	15.516	204	562127	31.019	ng/ul	97
63) 4-Nitroaniline	15.545	138	191494	37.877	ng/ul	95
66) 4,6-Dinitro-2-methylph...	15.610	198	219923	33.024	ng/ul	99
67) N-Nitrosodiphenylamine	15.728	169	778022	34.157	ng/ul	98
68) 4-Bromophenyl-phenylether	16.409	248	390797	33.480	ng/ul	97
69) Hexachlorobenzene	16.532	284	403238	32.428	ng/ul	97
70) Atrazine	16.679	200	164692	13.217	ng/ul	92
71) Pentachlorophenol	16.879	266	172655	27.696	ng/ul	95
72) Phenanthrene	17.261	178	1584305	33.961	ng/ul	97
74) Anthracene	17.355	178	1585712	33.181	ng/ul	97
75) 1,2,3,4-Tetrachloroben...	13.266	216	464241	35.161	ng/ul	93
76) Pentachlorobenzene	14.793	250	459047	32.603	ng/ul	96
77) Carbazole	17.625	167	1380864	34.802	ng/ul	98
78) Di-n-butylphthalate	18.189	149	1595536	35.352	ng/ul	99
80) Fluoranthene	19.282	202	2077130	36.777	ng/ul#	97
82) Pyrene	19.652	202	2155538	36.006	ng/ul	98
83) Butylbenzylphthalate	20.545	149	687161	39.276	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.380	252	739268	32.989	ng/ul	99
85) Benzo(a)anthracene	21.456	228	2275235	34.515	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.374	149	979381	38.431	ng/ul	99
87) Chrysene	21.521	228	2097653	34.130	ng/ul	99
89) Di-n-octyl phthalate	22.514	149	1709024	39.998	ng/ul	100
90) Benzo(b)fluoranthene	23.548	252	2319951m	35.562	ng/ul	
91) Benzo(k)fluoranthene	23.618	252	2271830	34.963	ng/ul	100
93) Benzo(a)pyrene	24.370	252	2049325	33.961	ng/ul#	96
94) Indeno(1,2,3-cd)pyrene	27.937	276	2544139	34.372	ng/ul#	96
95) Dibenzo(a,h)anthracene	27.984	278	2077786	34.431	ng/ul#	97
96) Benzo(g,h,i)perylene	29.006	276	1971133	35.124	ng/ul	99

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

