

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092324\
 Data File : BG063021.D
 Acq On : 24 Sep 2024 10:15
 Operator : RC/JU
 Sample : PB163510BS
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SLCS510

Quant Time: Sep 24 11:28:43 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.854	152	21628	20.000	ng/u1	0.00
20) Naphthalene-d8	10.644	136	105650	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.493	164	85734	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.237	188	215698	20.000	ng/u1	# 0.00
79) Chrysene-d12	21.491	240	229500	20.000	ng/u1	# 0.00
88) Perylene-d12	24.534	264	279620	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.324	96	3407	4.614	ng/uL	0.00
4) Pyridine-d5	3.723	84	41315	20.610	ng/u1	-0.01
7) Phenol-d5	7.025	99	75413	33.603	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.190	67	38711	30.823	ng/u1	0.00
11) 2-Chlorophenol-d4	7.389	132	53243	36.135	ng/u1	0.00
15) 4-Methylphenol-d8	8.565	113	67010	40.759	ng/u1	0.00
21) Nitrobenzene-d5	9.011	128	24015	28.532	ng/u1	0.00
24) 2-Nitrophenol-d4	9.728	143	34600	36.235	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.274	165	74613	37.662	ng/u1	0.00
31) 4-Chloroaniline-d4	10.780	131	86714	35.171	ng/u1	0.00
46) Dimethylphthalate-d6	13.894	166	243356	38.171	ng/u1	0.00
49) Acenaphthylene-d8	14.181	160	255577	35.892	ng/u1	0.00
54) 4-Nitrophenol-d4	14.699	143	36579	35.804	ng/u1	0.00
60) Fluorene-d10	15.486	176	220906	37.213	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.609	200	57318	43.959	ng/u1	0.00
73) Anthracene-d10	17.337	188	344311	33.775	ng/u1	0.00
81) Pyrene-d10	19.634	212	471471	33.919	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.328	264	517263	35.077	ng/u1	0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.353	88	5984m	8.189	ng/uL	
5) Pyridine	3.747	79	40093	20.085	ng/u1#	87
6) Benzaldehyde	6.996	77	46015	37.463	ng/u1	98
8) Phenol	7.055	94	81443	34.787	ng/u1#	78
10) Bis(2-Chloroethyl)ether	7.278	93	52921	33.433	ng/u1	87
12) 2-Chlorophenol	7.419	128	55682	36.816	ng/u1#	93
13) 2-Methylphenol	8.300	108	64588	39.885	ng/u1	98
14) 2,2'-oxybis(1-Chloropr...	8.377	45	57687	29.373	ng/u1	99
16) Acetophenone	8.676	105	106517	41.189	ng/u1	96
17) N-Nitroso-di-n-propyla...	8.659	70	57542	38.105	ng/u1#	93
18) 4-Methylphenol	8.623	108	72274	40.780	ng/u1	96
19) Hexachloroethane	8.935	117	20795	32.364	ng/u1	89
22) Nitrobenzene	9.052	77	76391	30.571	ng/u1	99
23) Isophorone	9.575	82	152865	30.719	ng/u1	99
25) 2-Nitrophenol	9.757	139	34270	32.683	ng/u1#	77
26) 2,4-Dimethylphenol	9.822	107	77171	32.849	ng/u1	94
27) Bis(2-Chloroethoxy)met...	10.057	93	81202	30.695	ng/u1#	96
29) 2,4-Dichlorophenol	10.298	162	73433	37.443	ng/u1	95
30) Naphthalene	10.691	128	203089	34.620	ng/u1	97
32) 4-Chloroaniline	10.803	127	79498	33.118	ng/u1	96
33) Hexachlorobutadiene	10.985	225	62916	40.137	ng/u1	93
34) Caprolactam	11.561	113	28304m	43.351	ng/u1	
35) 4-Chloro-3-methylphenol	11.937	107	87168	38.671	ng/u1	94
36) 2-Methylnaphthalene	12.307	142	146966	34.766	ng/u1	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.525	142	146612	34.270	ng/ul#	93
39) 1,2,4,5-Tetrachloroben...	12.677	216	115372	37.971	ng/ul	94
40) Hexachlorocyclopentadiene	12.654	237	59822	37.112	ng/ul	90
41) 2,4,6-Trichlorophenol	12.918	196	70067	37.007	ng/ul	96
42) 2,4,5-Trichlorophenol	12.995	196	60969	30.651	ng/ul	89
43) 1,1'-Biphenyl	13.318	154	161595	25.374	ng/ul#	95
44) 2-Chloronaphthalene	13.365	162	126792	24.772	ng/ul	99
45) 2-Nitroaniline	13.570	65	62958	36.383	ng/ul	91
47) Dimethylphthalate	13.946	163	242950	37.246	ng/ul	98
48) 2,6-Dinitrotoluene	14.064	165	47555	38.208	ng/ul#	82
50) Acenaphthylene	14.211	152	261159	34.836	ng/ul	97
51) 3-Nitroaniline	14.399	138	42431	38.014	ng/ul	92
52) Acenaphthene	14.552	153	187430	34.422	ng/ul	95
53) 2,4-Dinitrophenol	14.605	184	34396	46.268	ng/ul	90
55) 4-Nitrophenol	14.716	109	54649	47.368	ng/ul#	78
56) Dibenzofuran	14.892	168	296841	36.760	ng/ul	98
57) 2,4-Dinitrotoluene	14.857	165	75407	40.198	ng/ul	93
58) 2,3,4,6-Tetrachlorophenol	15.122	232	77915	43.529	ng/ul	91
59) Diethylphthalate	15.315	149	241458	33.269	ng/ul	99
61) Fluorene	15.539	166	229271	37.107	ng/ul	96
62) 4-Chlorophenyl-phenyle...	15.533	204	135687	39.799	ng/ul	96
63) 4-Nitroaniline	15.562	138	44628	39.839	ng/ul#	57
66) 4,6-Dinitro-2-methylph...	15.627	198	59588	42.721	ng/ul	99
67) N-Nitrosodiphenylamine	15.750	169	216341	35.715	ng/ul	98
68) 4-Bromophenyl-phenylether	16.426	248	98239	40.967	ng/ul	96
69) Hexachlorobenzene	16.549	284	118851	42.926	ng/ul	90
70) Atrazine	16.702	200	88901	35.384	ng/ul	92
71) Pentachlorophenol	16.896	266	71455	45.259	ng/ul	95
72) Phenanthrene	17.284	178	407942	35.601	ng/ul	99
74) Anthracene	17.372	178	356605	30.138	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.283	216	82675	25.135	ng/ul	97
76) Pentachlorobenzene	14.810	250	129775	37.382	ng/ul	94
77) Carbazole	17.642	167	291913	30.988	ng/ul	99
78) Di-n-butylphthalate	18.206	149	399550	32.978	ng/ul#	96
80) Fluoranthene	19.299	202	508225	33.504	ng/ul#	92
82) Pyrene	19.663	202	527430	32.614	ng/ul#	92
83) Butylbenzylphthalate	20.556	149	171622	30.535	ng/ul	95
84) 3,3'-Dichlorobenzidine	21.391	252	195554	37.991	ng/ul	95
85) Benzo(a)anthracene	21.473	228	561161	34.515	ng/ul	96
86) Bis(2-ethylhexyl)phtha...	21.391	149	246803	30.392	ng/ul#	97
87) Chrysene	21.538	228	529880	34.833	ng/ul	97
89) Di-n-octyl phthalate	22.542	149	434236	29.323	ng/ul	100
90) Benzo(b)fluoranthene	23.570	252	595392	34.975	ng/ul#	98
91) Benzo(k)fluoranthene	23.635	252	585996	34.551	ng/ul#	96
93) Benzo(a)pyrene	24.399	252	554807	34.669	ng/ul#	95
94) Indeno(1,2,3-cd)pyrene	27.965	276	714377	36.430	ng/ul#	91
95) Dibenzo(a,h)anthracene	28.024	278	577891	36.865	ng/ul#	92
96) Benzo(g,h,i)perylene	29.035	276	545321	36.218	ng/ul#	94

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

