

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092324\
 Data File : BG063009.D
 Acq On : 24 Sep 2024 1:44
 Operator : RC/JU
 Sample : PB163504BS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SLCS504

Quant Time: Sep 24 04:08:18 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	7.853	152	23138	20.000	ng/u1	# 0.00
20) Naphthalene-d8	10.644	136	102760	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.487	164	95162	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.242	188	223639	20.000	ng/u1	# 0.00
79) Chrysene-d12	21.490	240	240705	20.000	ng/u1	# 0.00
88) Perylene-d12	24.534	264	283511	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.323	96	3956	5.008	ng/uL	0.00
4) Pyridine-d5	3.729	84	44942	20.956	ng/u1	0.00
7) Phenol-d5	7.031	99	76644	31.922	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.183	67	40093	29.840	ng/u1	0.00
11) 2-Chlorophenol-d4	7.389	132	53682	34.056	ng/u1	0.00
15) 4-Methylphenol-d8	8.564	113	66517	37.819	ng/u1	0.00
21) Nitrobenzene-d5	9.011	128	28216	34.466	ng/u1	0.00
24) 2-Nitrophenol-d4	9.728	143	31780	34.218	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.268	165	69840	36.244	ng/u1	0.00
31) 4-Chloroaniline-d4	10.779	131	77173	32.181	ng/u1	0.00
46) Dimethylphthalate-d6	13.899	166	243502	34.410	ng/u1	0.00
49) Acenaphthylene-d8	14.181	160	249236	31.534	ng/u1	0.00
54) 4-Nitrophenol-d4	14.698	143	35968	31.718	ng/u1	0.00
60) Fluorene-d10	15.486	176	219713	33.345	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.609	200	55066	40.732	ng/u1	0.00
73) Anthracene-d10	17.336	188	353510	33.446	ng/u1	0.00
81) Pyrene-d10	19.634	212	465575	31.935	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.328	264	507422	33.937	ng/u1	0.02
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.359	88	8522	10.901	ng/uL#	92
5) Pyridine	3.746	79	46393	21.724	ng/u1#	91
6) Benzaldehyde	6.995	77	27993	21.303	ng/u1	93
8) Phenol	7.054	94	85581	34.169	ng/u1#	82
10) Bis(2-Chloroethyl)ether	7.277	93	60433	35.687	ng/u1	90
12) 2-Chlorophenol	7.424	128	61684	38.123	ng/u1	92
13) 2-Methylphenol	8.300	108	69874	40.333	ng/u1	98
14) 2,2'-oxybis(1-Chloropr...	8.382	45	66417	31.611	ng/u1	95
16) Acetophenone	8.676	105	113050	40.863	ng/u1#	95
17) N-Nitroso-di-n-propyla...	8.658	70	63284	39.173	ng/u1#	94
18) 4-Methylphenol	8.629	108	77351	40.797	ng/u1	91
19) Hexachloroethane	8.934	117	22283	32.417	ng/u1	83
22) Nitrobenzene	9.052	77	92814	38.188	ng/u1#	94
23) Isophorone	9.575	82	182140	37.631	ng/u1#	95
25) 2-Nitrophenol	9.757	139	38363	37.616	ng/u1#	57
26) 2,4-Dimethylphenol	9.827	107	73787	32.292	ng/u1	99
27) Bis(2-Chloroethoxy)met...	10.057	93	84959	33.018	ng/u1	97
29) 2,4-Dichlorophenol	10.297	162	73000	38.269	ng/u1	94
30) Naphthalene	10.697	128	204553	35.850	ng/u1	99
32) 4-Chloroaniline	10.809	127	72260	30.949	ng/u1	91
33) Hexachlorobutadiene	10.985	225	61367	40.249	ng/u1	94
34) Caprolactam	11.567	113	21668m	34.121	ng/u1	
35) 4-Chloro-3-methylphenol	11.937	107	95594	43.602	ng/u1	92
36) 2-Methylnaphthalene	12.307	142	152908	37.189	ng/u1	90

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.524	142	158961	38.201	ng/ul#	97
39) 1,2,4,5-Tetrachloroben...	12.677	216	121732	36.095	ng/ul	95
40) Hexachlorocyclopentadiene	12.659	237	61454	34.347	ng/ul	93
41) 2,4,6-Trichlorophenol	12.918	196	66636	31.708	ng/ul#	91
42) 2,4,5-Trichlorophenol	12.994	196	79838	36.161	ng/ul	98
43) 1,1'-Biphenyl	13.323	154	239503	33.881	ng/ul#	97
44) 2-Chloronaphthalene	13.359	162	186755	32.873	ng/ul	95
45) 2-Nitroaniline	13.564	65	79159	41.213	ng/ul	84
47) Dimethylphthalate	13.946	163	264194	36.490	ng/ul	99
48) 2,6-Dinitrotoluene	14.070	165	55216	39.968	ng/ul	95
50) Acenaphthylene	14.211	152	291937	35.084	ng/ul	96
51) 3-Nitroaniline	14.393	138	45544	36.760	ng/ul#	81
52) Acenaphthene	14.551	153	193394	31.998	ng/ul	100
53) 2,4-Dinitrophenol	14.598	184	38011	46.065	ng/ul	94
55) 4-Nitrophenol	14.716	109	65043	50.792	ng/ul#	73
56) Dibenzofuran	14.892	168	322070	35.933	ng/ul	96
57) 2,4-Dinitrotoluene	14.857	165	80916	38.861	ng/ul#	79
58) 2,3,4,6-Tetrachlorophenol	15.121	232	60465	30.434	ng/ul#	94
59) Diethylphthalate	15.315	149	262495	32.584	ng/ul	98
61) Fluorene	15.538	166	249102	36.322	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.533	204	144613	38.214	ng/ul	98
63) 4-Nitroaniline	15.562	138	49282	39.635	ng/ul#	63
66) 4,6-Dinitro-2-methylph...	15.627	198	63547	43.941	ng/ul	97
67) N-Nitrosodiphenylamine	15.750	169	232637	37.041	ng/ul	98
68) 4-Bromophenyl-phenylether	16.431	248	105492	42.430	ng/ul	97
69) Hexachlorobenzene	16.549	284	126926	44.215	ng/ul	94
71) Pentachlorophenol	16.896	266	51961	31.743	ng/ul	99
72) Phenanthrene	17.283	178	437746	36.845	ng/ul	99
74) Anthracene	17.372	178	437844	35.690	ng/ul	97
75) 1,2,3,4-Tetrachloroben...	13.288	216	127638	37.427	ng/ul	93
76) Pentachlorobenzene	14.816	250	129127	35.875	ng/ul	94
77) Carbazole	17.642	167	355470	36.395	ng/ul	99
78) Di-n-butylphthalate	18.206	149	435960	34.705	ng/ul#	96
80) Fluoranthene	19.299	202	553550	34.793	ng/ul#	90
82) Pyrene	19.663	202	582007	34.313	ng/ul#	90
83) Butylbenzylphthalate	20.562	149	193687	32.856	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.390	252	223940	41.481	ng/ul	95
85) Benzo(a)anthracene	21.473	228	628251	36.843	ng/ul	96
86) Bis(2-ethylhexyl)phtha...	21.390	149	270772	31.792	ng/ul#	97
87) Chrysene	21.537	228	581576	36.452	ng/ul	99
89) Di-n-octyl phthalate	22.542	149	489460	32.598	ng/ul	100
90) Benzo(b)fluoranthene	23.576	252	659577	38.214	ng/ul#	97
91) Benzo(k)fluoranthene	23.641	252	661652	38.477	ng/ul#	96
93) Benzo(a)pyrene	24.399	252	551812	34.008	ng/ul#	94
94) Indeno(1,2,3-cd)pyrene	27.971	276	772761	38.867	ng/ul#	90
95) Dibenzo(a,h)anthracene	28.018	278	627930	39.507	ng/ul#	93
96) Benzo(g,h,i)perylene	29.040	276	597098	39.112	ng/ul#	94

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

