

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060724\
 Data File : BG061558.D
 Acq On : 8 Jun 2024 8:40
 Operator : MA/JU
 Sample : PB161251BS
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SLCS251

Manual Integrations
 APPROVED

Reviewed By :Yogesh
 Patel

06/10/2024
 Supervised By :mohammad
 ahmed

Quant Time: Jun 09 23:23:40 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jun 06 12:15:45 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.870	152	25454	20.000	ng/u1	0.00
20) Naphthalene-d8	10.667	136	94029	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.509	164	71913	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.265	188	170508	20.000	ng/u1	0.00
79) Chrysene-d12	21.525	240	183227	20.000	ng/u1	# 0.00
88) Perylene-d12	24.627	264	208603	20.000	ng/u1	0.02

06/10/2024

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.328	96	2700	5.936	ng/uL	-0.03
4) Pyridine-d5	3.740	84	41765	25.811	ng/u1	-0.03
7) Phenol-d5	7.059	99	62469	29.885	ng/u1	-0.01
9) Bis-(2-Chloroethyl)eth...	7.200	67	36742	27.965	ng/u1	-0.01
11) 2-Chlorophenol-d4	7.412	132	52356	33.844	ng/u1	0.00
15) 4-Methylphenol-d8	8.599	113	51986	29.167	ng/u1	0.00
21) Nitrobenzene-d5	9.033	128	26541	36.661	ng/u1	0.00
24) 2-Nitrophenol-d4	9.750	143	29863	35.246	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.303	165	63169	38.243	ng/u1	0.00
31) 4-Chloroaniline-d4	10.808	131	68068	31.498	ng/u1	0.00
46) Dimethylphthalate-d6	13.916	166	183374	32.878	ng/u1	0.00
49) Acenaphthylene-d8	14.204	160	201831	34.808	ng/u1	0.00
54) 4-Nitrophenol-d4	14.762	143	18800	27.264	ng/u1	0.00
60) Fluorene-d10	15.508	176	163644	33.984	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.655	200	31376	30.425	ng/u1	0.00
73) Anthracene-d10	17.365	188	265887	35.371	ng/u1	0.00
81) Pyrene-d10	19.656	212	316527	33.645	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.415	264	356459	35.544	ng/u1	0.02

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.370	88	6515m	11.934	ng/uL	
5) Pyridine	3.757	79	43942	27.456	ng/u1	84
6) Benzaldehyde	7.012	77	37412	34.229	ng/u1	92
8) Phenol	7.095	94	64585	30.325	ng/u1	91
10) Bis(2-Chloroethyl)ether	7.294	93	45583	29.260	ng/u1	89
12) 2-Chlorophenol	7.447	128	53463	32.701	ng/u1	96
13) 2-Methylphenol	8.328	108	48893	29.622	ng/u1	90
14) 2,2'-oxybis(1-Chloropr...	8.393	45	97154	23.092	ng/u1#	90
16) Acetophenone	8.693	105	84654	27.829	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.681	70	42026	25.127	ng/u1#	80
18) 4-Methylphenol	8.663	108	55083	30.120	ng/u1	100
19) Hexachloroethane	8.945	117	23115	31.777	ng/u1	88
22) Nitrobenzene	9.075	77	66632	33.557	ng/u1	98
23) Isophorone	9.598	82	117141	29.001	ng/u1	98
25) 2-Nitrophenol	9.786	139	33253	36.159	ng/u1	98
26) 2,4-Dimethylphenol	9.856	107	57323	31.457	ng/u1	91
27) Bis(2-Chloroethoxy)met...	10.073	93	63449	31.337	ng/u1#	98
29) 2,4-Dichlorophenol	10.332	162	59896	39.370	ng/u1	99
30) Naphthalene	10.714	128	173139	34.886	ng/u1	99
32) 4-Chloroaniline	10.831	127	59703	27.801	ng/u1	95
33) Hexachlorobutadiene	10.996	225	60335	40.573	ng/u1	97
34) Caprolactam	11.601	113	16608m	28.534	ng/u1	
35) 4-Chloro-3-methylphenol	11.983	107	63210	32.140	ng/u1	93
36) 2-Methylnaphthalene	12.330	142	120014	33.345	ng/u1	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.547	142	122417	33.142	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.700	216	103139	43.441	ng/ul	96
40) Hexachlorocyclopentadiene	12.676	237	4692	4.378	ng/ul#	81
41) 2,4,6-Trichlorophenol	12.952	196	55169	41.253	ng/ul	92
42) 2,4,5-Trichlorophenol	13.041	196	57173	40.596	ng/ul#	95
43) 1,1'-Biphenyl	13.340	154	172557	37.108	ng/ul	97
44) 2-Chloronaphthalene	13.387	162	137291	37.517	ng/ul	98
45) 2-Nitroaniline	13.599	65	47792	31.643	ng/ul	96
47) Dimethylphthalate	13.963	163	185013	31.826	ng/ul	99
48) 2,6-Dinitrotoluene	14.092	165	38287	33.585	ng/ul	99
50) Acenaphthylene	14.233	152	220033	34.220	ng/ul	98
51) 3-Nitroaniline	14.421	138	35035	35.413	ng/ul	90
52) Acenaphthene	14.574	153	147120	34.880	ng/ul	97
53) 2,4-Dinitrophenol	14.662	184	16354m	27.053	ng/ul	
55) 4-Nitrophenol	14.774	109	21438	26.443	ng/ul	92
56) Dibenzofuran	14.915	168	210436	34.893	ng/ul	98
57) 2,4-Dinitrotoluene	14.891	165	56493	32.572	ng/ul	99
58) 2,3,4,6-Tetrachlorophenol	15.156	232	48015	37.381	ng/ul#	92
59) Diethylphthalate	15.332	149	177419	30.907	ng/ul	99
61) Fluorene	15.561	166	177360	33.990	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.555	204	106696	34.865	ng/ul	99
63) 4-Nitroaniline	15.591	138	36209	35.140	ng/ul	97
66) 4,6-Dinitro-2-methylph...	15.667	198	34255	31.695	ng/ul	93
67) N-Nitrosodiphenylamine	15.773	169	157049	36.646	ng/ul	98
68) 4-Bromophenyl-phenylether	16.448	248	74694	36.972	ng/ul	97
69) Hexachlorobenzene	16.578	284	84538	37.646	ng/ul	96
70) Atrazine	16.724	200	55115	32.497	ng/ul	97
71) Pentachlorophenol	16.936	266	24569m	31.435	ng/ul	
72) Phenanthrene	17.306	178	286367	34.603	ng/ul	99
74) Anthracene	17.400	178	290820	33.987	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.311	216	99713	44.241	ng/uL	96
76) Pentachlorobenzene	14.838	250	106365	42.684	ng/uL	95
77) Carbazole	17.670	167	242264	34.809	ng/ul	99
78) Di-n-butylphthalate	18.229	149	296905	34.046	ng/ul	99
80) Fluoranthene	19.327	202	381195	33.776	ng/ul	98
82) Pyrene	19.692	202	393806	33.616	ng/ul	97
83) Butylbenzylphthalate	20.573	149	131074	32.570	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.419	252	149204	38.363	ng/ul#	98
85) Benzo(a)anthracene	21.507	228	430633	34.062	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.407	149	187792	31.525	ng/ul#	99
87) Chrysene	21.566	228	407197	34.979	ng/ul	98
89) Di-n-octyl phthalate	22.571	149	324653	31.108	ng/ul	100
90) Benzo(b)fluoranthene	23.640	252	432073	34.788	ng/ul#	98
91) Benzo(k)fluoranthene	23.710	252	426620	33.836	ng/ul	98
93) Benzo(a)pyrene	24.486	252	368080	31.210	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	28.158	276	494135m	34.646	ng/ul	
95) Dibenzo(a,h)anthracene	28.193	278	410955m	34.945	ng/ul	
96) Benzo(g,h,i)perylene	29.245	276	345680m	30.467	ng/ul	

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

