

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071724\
 Data File : BG062130.D
 Acq On : 18 Jul 2024 2:42
 Operator : MA/JU
 Sample : PB162053BS
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SLCS053

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/18/2024
 Supervised By :mohammad ahmed 07/18/2024

Quant Time: Jul 18 04:52:57 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jul 16 12:23:16 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.046	152	21082	20.000	ng/u1	# 0.00
20) Naphthalene-d8	10.855	136	103646	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.680	164	73059	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.423	188	188950	20.000	ng/u1	# 0.00
79) Chrysene-d12	21.683	240	163570	20.000	ng/u1	0.00
88) Perylene-d12	24.903	264	194719	20.000	ng/u1	#-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.434	96	2689	4.793	ng/uL	0.00
4) Pyridine-d5	3.857	84	31485	18.252	ng/u1	0.00
7) Phenol-d5	7.224	99	58577	25.389	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.365	67	29461	20.164	ng/u1	0.00
11) 2-Chlorophenol-d4	7.582	132	42632	26.938	ng/u1	0.00
15) 4-Methylphenol-d8	8.769	113	46525	25.612	ng/u1	0.00
21) Nitrobenzene-d5	9.215	128	21748	27.590	ng/u1	0.00
24) 2-Nitrophenol-d4	9.932	143	28006	31.111	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.484	165	55743	32.105	ng/u1	0.00
31) 4-Chloroaniline-d4	10.996	131	60711	24.084	ng/u1	0.00
46) Dimethylphthalate-d6	14.080	166	173643	28.910	ng/u1	0.00
49) Acenaphthylene-d8	14.374	160	189933	30.241	ng/u1	0.00
54) 4-Nitrophenol-d4	14.915	143	24532	25.575	ng/u1	0.01
60) Fluorene-d10	15.667	176	161529	31.945	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.796	200	30911	31.150	ng/u1	0.00
73) Anthracene-d10	17.523	188	257492	29.188	ng/u1	0.00
81) Pyrene-d10	19.803	212	295448	30.709	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.685	264	293055	30.346	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.469	88	4967m	8.021	ng/uL	
5) Pyridine	3.880	79	33532	18.954	ng/u1#	88
6) Benzaldehyde	7.182	77	29914	24.498	ng/u1#	83
8) Phenol	7.247	94	58088	24.592	ng/u1#	81
10) Bis(2-Chloroethyl)ether	7.464	93	36327	20.019	ng/u1	98
12) 2-Chlorophenol	7.611	128	43312	26.863	ng/u1	95
13) 2-Methylphenol	8.504	108	44456	26.369	ng/u1	91
14) 2,2'-oxybis(1-Chloropr...	8.569	45	69487	17.528	ng/u1#	94
16) Acetophenone	8.869	105	75072	25.019	ng/u1#	93
17) N-Nitroso-di-n-propyla...	8.845	70	37450	22.293	ng/u1#	73
18) 4-Methylphenol	8.833	108	48033	25.441	ng/u1	97
19) Hexachloroethane	9.121	117	19825	28.345	ng/u1#	83
22) Nitrobenzene	9.256	77	61281	27.387	ng/u1	97
23) Isophorone	9.774	82	110562	21.872	ng/u1#	97
25) 2-Nitrophenol	9.967	139	28142	30.655	ng/u1#	84
26) 2,4-Dimethylphenol	10.032	107	50811	23.127	ng/u1	98
27) Bis(2-Chloroethoxy)met...	10.255	93	56786	20.399	ng/u1#	97
29) 2,4-Dichlorophenol	10.514	162	48970	30.025	ng/u1	92
30) Naphthalene	10.907	128	154355	27.112	ng/u1	97
32) 4-Chloroaniline	11.025	127	57281	23.158	ng/u1	95
33) Hexachlorobutadiene	11.178	225	40161	32.722	ng/u1	98
34) Caprolactam	11.801	113	15930m	24.930	ng/u1	
35) 4-Chloro-3-methylphenol	12.159	107	61608	28.362	ng/u1	99
36) 2-Methylnaphthalene	12.506	142	115140	27.915	ng/u1	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.723	142	117485	27.409	ng/ul	95
39) 1,2,4,5-Tetrachloroben...	12.870	216	73160	33.346	ng/ul	97
40) Hexachlorocyclopentadiene	12.841	237	24749	16.945	ng/ul#	90
41) 2,4,6-Trichlorophenol	13.123	196	43847	30.089	ng/ul	97
42) 2,4,5-Trichlorophenol	13.205	196	46126	28.815	ng/ul	84
43) 1,1'-Biphenyl	13.510	154	161585	28.705	ng/ul	95
44) 2-Chloronaphthalene	13.557	162	127007	30.063	ng/ul	96
45) 2-Nitroaniline	13.769	65	54655	32.305	ng/ul	96
47) Dimethylphthalate	14.127	163	163848	28.361	ng/ul	98
48) 2,6-Dinitrotoluene	14.257	165	36706	33.491	ng/ul	95
50) Acenaphthylene	14.403	152	199486	28.940	ng/ul	99
51) 3-Nitroaniline	14.591	138	36023	33.766	ng/ul	88
52) Acenaphthene	14.738	153	131906	27.712	ng/ul	97
53) 2,4-Dinitrophenol	14.797	184	12393	21.644	ng/ul#	74
55) 4-Nitrophenol	14.926	109	41107	37.549	ng/ul#	72
56) Dibenzofuran	15.073	168	192567	28.625	ng/ul	94
57) 2,4-Dinitrotoluene	15.044	165	54348	33.813	ng/ul#	82
58) 2,3,4,6-Tetrachlorophenol	15.302	232	36522	25.266	ng/ul#	93
59) Diethylphthalate	15.484	149	178440	28.662	ng/ul	97
61) Fluorene	15.725	166	172316	30.120	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.708	204	92688	32.254	ng/ul	92
63) 4-Nitroaniline	15.755	138	40555	37.463	ng/ul#	68
66) 4,6-Dinitro-2-methylph...	15.808	198	31539	29.532	ng/ul#	82
67) N-Nitrosodiphenylamine	15.925	169	148044	28.690	ng/ul	96
68) 4-Bromophenyl-phenylether	16.607	248	66392	30.972	ng/ul	98
69) Hexachlorobenzene	16.718	284	76683	31.110	ng/ul	97
70) Atrazine	16.871	200	11394	5.594	ng/ul	98
71) Pentachlorophenol	17.077	266	8972m	6.622	ng/ul	
72) Phenanthrene	17.465	178	281344	28.239	ng/ul	99
74) Anthracene	17.559	178	281724	27.362	ng/ul	97
75) 1,2,3,4-Tetrachloroben...	13.475	216	71822	30.605	ng/ul	96
76) Pentachlorobenzene	14.991	250	80978	30.254	ng/ul	92
77) Carbazole	17.829	167	251428	29.016	ng/ul	99
78) Di-n-butylphthalate	18.369	149	307342	27.627	ng/ul#	98
80) Fluoranthene	19.474	202	341906	30.029	ng/ul#	85
82) Pyrene	19.832	202	347530	29.548	ng/ul#	87
83) Butylbenzylphthalate	20.708	149	128430	26.019	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.577	252	129395	33.252	ng/ul	95
85) Benzo(a)anthracene	21.665	228	353273	29.830	ng/ul	95
86) Bis(2-ethylhexyl)phtha...	21.554	149	181767	25.662	ng/ul#	99
87) Chrysene	21.730	228	327249	29.517	ng/ul	98
89) Di-n-octyl phthalate	22.758	149	308469	25.930	ng/ul	100
90) Benzo(b)fluoranthene	23.875	252	365421	29.787	ng/ul#	93
91) Benzo(k)fluoranthene	23.945	252	365428	29.871	ng/ul#	91
93) Benzo(a)pyrene	24.756	252	313381	26.976	ng/ul#	91
94) Indeno(1,2,3-cd)pyrene	28.581	276	463786	31.241	ng/ul#	91
95) Dibenzo(a,h)anthracene	28.640	278	378668	30.884	ng/ul#	97
96) Benzo(g,h,i)perylene	29.744	276	358929	30.391	ng/ul#	94

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

