

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122721\
 Data File : BG051825.D
 Acq On : 28 Dec 2021 6:49
 Operator : CG/JU
 Sample : PB141643BS
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SLCS643

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/28/2021
 Supervised By :mohammad ahmed 12/31/2021

Quant Time: Dec 28 07:31:45 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121421.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 23 13:37:07 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.270	152	36692	20.000	ng/u1	-0.02
20) Naphthalene-d8	11.108	136	144741	20.000	ng/u1	-0.02
38) Acenaphthene-d10	14.908	164	99976	20.000	ng/u1	-0.01
64) Phenanthrene-d10	17.658	188	237704	20.000	ng/u1	# 0.00
79) Chrysene-d12	21.981	240	208660	20.000	ng/u1	# 0.00
88) Perylene-d12	25.482	264	198606	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.600	96	6501	7.358	ng/uL	0.00
4) Pyridine-d5	4.029	84	94044	35.230	ng/u1	-0.02
7) Phenol-d5	7.413	99	127988	39.067	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.577	67	75757	38.898	ng/u1	-0.02
11) 2-Chlorophenol-d4	7.800	132	89158	39.130	ng/u1	-0.01
15) 4-Methylphenol-d8	8.975	113	99188	39.168	ng/u1	0.00
21) Nitrobenzene-d5	9.445	128	44916	42.326	ng/u1	-0.01
24) 2-Nitrophenol-d4	10.174	143	51012	43.974	ng/u1	-0.01
28) 2,4-Dichlorophenol-d3	10.720	165	100230	39.843	ng/u1	-0.01
31) 4-Chloroaniline-d4	11.231	131	113254	34.193	ng/u1	-0.01
46) Dimethylphthalate-d6	14.298	166	305497	38.177	ng/u1	-0.02
49) Acenaphthylene-d8	14.603	160	388268	39.068	ng/u1	-0.01
54) 4-Nitrophenol-d4	15.085	143	46241	35.535	ng/u1	0.00
60) Fluorene-d10	15.901	176	272403	37.996	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	16.001	200	49460	39.937	ng/u1	-0.01
73) Anthracene-d10	17.758	188	427666	37.716	ng/u1	0.00
81) Pyrene-d10	20.031	212	504426	40.167	ng/u1	-0.01
92) Benzo(a)pyrene-d12	25.236	264	435443	41.670	ng/u1	-0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.641	88	13268	14.389	ng/uL#	86
5) Pyridine	4.047	79	89741	33.510	ng/u1	92
6) Benzaldehyde	7.389	77	83747m	40.972	ng/u1	
8) Phenol	7.436	94	126523	38.839	ng/u1	90
10) Bis(2-Chloroethyl)ether	7.671	93	87847	35.348	ng/u1	99
12) 2-Chlorophenol	7.830	128	89973	38.495	ng/u1	96
13) 2-Methylphenol	8.711	108	90269	36.726	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.793	45	127267	37.753	ng/u1	99
16) Acetophenone	9.099	105	142290	35.771	ng/u1	93
17) N-Nitroso-di-n-propyla...	9.081	70	84105	35.237	ng/u1	96
18) 4-Methylphenol	9.040	108	97738	37.729	ng/u1	90
19) Hexachloroethane	9.375	117	34075	33.412	ng/u1#	75
22) Nitrobenzene	9.486	77	127862	41.425	ng/u1#	97
23) Isophorone	10.015	82	231591	37.374	ng/u1	99
25) 2-Nitrophenol	10.203	139	52911	42.670	ng/u1	90
26) 2,4-Dimethylphenol	10.256	107	107784	36.077	ng/u1	96
27) Bis(2-Chloroethoxy)met...	10.491	93	120897	36.742	ng/u1	98
29) 2,4-Dichlorophenol	10.749	162	92441	38.621	ng/u1	96
30) Naphthalene	11.161	128	286152	36.696	ng/u1	98
32) 4-Chloroaniline	11.260	127	112515	33.267	ng/u1	99
33) Hexachlorobutadiene	11.448	225	70825	34.853	ng/u1	99
34) Caprolactam	12.012	113	31485m	43.447	ng/u1	
35) 4-Chloro-3-methylphenol	12.365	107	105059	39.173	ng/u1	97
36) 2-Methylnaphthalene	12.753	142	202756	36.446	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.970	142	208837	36.154	ng/ul#	96
39) 1,2,4,5-Tetrachloroben...	13.117	216	132800	38.188	ng/ul	95
40) Hexachlorocyclopentadiene	13.099	237	73826	29.239	ng/ul	96
41) 2,4,6-Trichlorophenol	13.346	196	84276	40.034	ng/ul	96
42) 2,4,5-Trichlorophenol	13.422	196	91368	41.413	ng/ul	99
43) 1,1'-Biphenyl	13.745	154	283944	37.077	ng/ul	94
44) 2-Chloronaphthalene	13.792	162	223578	37.762	ng/ul	98
45) 2-Nitroaniline	13.980	65	86601	47.880	ng/ul	94
47) Dimethylphthalate	14.345	163	289080	37.211	ng/ul	99
48) 2,6-Dinitrotoluene	14.468	165	64193	43.224	ng/ul	91
50) Acenaphthylene	14.632	152	358297	36.849	ng/ul	97
51) 3-Nitroaniline	14.797	138	57011	40.146	ng/ul	89
52) Acenaphthene	14.973	153	239596	37.299	ng/ul	98
53) 2,4-Dinitrophenol	15.002	184	26163	30.475	ng/ul	91
55) 4-Nitrophenol	15.096	109	49301	35.312	ng/ul	86
56) Dibenzofuran	15.308	168	344480	36.414	ng/ul	98
57) 2,4-Dinitrotoluene	15.255	165	90765	43.120	ng/ul	99
58) 2,3,4,6-Tetrachlorophenol	15.525	232	81059	38.659	ng/ul	92
59) Diethylphthalate	15.702	149	294577	36.400	ng/ul	98
61) Fluorene	15.954	166	281983	36.176	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.936	204	158814	36.579	ng/ul	92
63) 4-Nitroaniline	15.960	138	54469	37.399	ng/ul#	84
66) 4,6-Dinitro-2-methylph...	16.019	198	46951	38.603	ng/ul	98
67) N-Nitrosodiphenylamine	16.148	169	246836	38.607	ng/ul	98
68) 4-Bromophenyl-phenylether	16.835	248	109336	45.166	ng/ul#	86
69) Hexachlorobenzene	16.965	284	117942	38.771	ng/ul#	90
70) Atrazine	17.094	200	97865	34.112	ng/ul	98
71) Pentachlorophenol	17.299	266	59379	31.858	ng/ul	97
72) Phenanthrene	17.699	178	455890	37.288	ng/ul	98
74) Anthracene	17.793	178	450250	36.453	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.716	216	137751	37.669	ng/uL	98
76) Pentachlorobenzene	15.232	250	137196	39.245	ng/uL	99
77) Carbazole	18.051	167	403587	36.490	ng/ul	99
78) Di-n-butylphthalate	18.598	149	491524	36.928	ng/ul	99
80) Fluoranthene	19.696	202	564546	39.164	ng/ul#	92
82) Pyrene	20.060	202	544045	38.137	ng/ul#	90
83) Butylbenzylphthalate	20.930	149	205970	43.053	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.858	252	143075	29.094	ng/ul#	96
85) Benzo(a)anthracene	21.958	228	534448	39.369	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.840	149	286390	42.737	ng/ul#	99
87) Chrysene	22.028	228	510616	38.933	ng/ul	98
89) Di-n-octyl phthalate	23.150	149	477183	44.608	ng/ul	100
90) Benzo(b)fluoranthene	24.360	252	537173	40.380	ng/ul#	95
91) Benzo(k)fluoranthene	24.431	252	494812	39.719	ng/ul#	96
93) Benzo(a)pyrene	25.312	252	488837	38.936	ng/ul#	95
94) Indeno(1,2,3-cd)pyrene	29.506	276	446926	32.606	ng/ul#	92
95) Dibenzo(a,h)anthracene	29.577	278	358856	30.654	ng/ul#	93
96) Benzo(g,h,i)perylene	30.769	276	355929m	30.643	ng/ul	

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

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