

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102823\
 Data File : BG059529.D
 Acq On : 28 Oct 2023 20:00
 Operator : MA/JU
 Sample : PB156455BS
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SLCS455

Quant Time: Oct 30 02:59:31 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG102723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Oct 28 03:56:42 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/31/2023
 Supervised By :mohammad ahmed 10/31/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.364	152	65407	20.000	ng/ul	# 0.00
20) Naphthalene-d8	11.213	136	313053	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.985	164	186555	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.741	188	411012	20.000	ng/ul	0.00
79) Chrysene-d12	22.077	240	339123	20.000	ng/ul	0.00
88) Perylene-d12	25.685	264	376456	20.000	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.657	96	7699	4.404	ng/uL	0.00
4) Pyridine-d5	4.092	84	130941	26.804	ng/ul	0.00
7) Phenol-d5	7.471	99	209974	31.240	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.682	67	92281	29.891	ng/ul	0.00
11) 2-Chlorophenol-d4	7.876	132	166657	30.563	ng/ul	0.00
15) 4-Methylphenol-d8	9.045	113	174279	32.683	ng/ul	0.00
21) Nitrobenzene-d5	9.562	128	80371	36.107	ng/ul	0.00
24) 2-Nitrophenol-d4	10.279	143	87580	38.326	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.802	165	169177	33.603	ng/ul	0.00
31) 4-Chloroaniline-d4	11.348	131	254646	30.725	ng/ul	0.00
46) Dimethylphthalate-d6	14.386	166	531948	31.474	ng/ul	0.00
49) Acenaphthylene-d8	14.692	160	611764	30.843	ng/ul	0.00
54) 4-Nitrophenol-d4	15.150	143	111255	38.386	ng/ul	0.00
60) Fluorene-d10	15.978	176	450238	31.171	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	16.078	200	76647	39.378	ng/ul	0.00
73) Anthracene-d10	17.841	188	716418	32.174	ng/ul	0.00
81) Pyrene-d10	20.109	212	765005	32.454	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.432	264	731631	33.004	ng/ul	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.699	88	20108	10.277	ng/uL	90
5) Pyridine	4.110	79	121836	25.284	ng/ul#	87
6) Benzaldehyde	7.500	77	101732	33.604	ng/ul	92
8) Phenol	7.500	94	208613	32.923	ng/ul	94
10) Bis(2-Chloroethyl)ether	7.776	93	145967	31.413	ng/ul	97
12) 2-Chlorophenol	7.911	128	175637	32.490	ng/ul	90
13) 2-Methylphenol	8.781	108	169333	32.057	ng/ul	93
14) 2,2'-oxybis(1-Chloropr...	8.863	45	123833m	28.319	ng/ul	
16) Acetophenone	9.204	105	271989	32.358	ng/ul	97
17) N-Nitroso-di-n-propyla...	9.169	70	118970	30.038	ng/ul#	91
18) 4-Methylphenol	9.110	108	181896	32.364	ng/ul	83
19) Hexachloroethane	9.457	117	67876	31.614	ng/ul	88
22) Nitrobenzene	9.603	77	176929	36.826	ng/ul	97
23) Isophorone	10.109	82	360362	29.784	ng/ul#	93
25) 2-Nitrophenol	10.308	139	92767	37.747	ng/ul#	85
26) 2,4-Dimethylphenol	10.332	107	183880	28.446	ng/ul	99
27) Bis(2-Chloroethoxy)met...	10.596	93	208730	30.983	ng/ul	99
29) 2,4-Dichlorophenol	10.831	162	168790	34.653	ng/ul	95
30) Naphthalene	11.260	128	614538	31.495	ng/ul#	96
32) 4-Chloroaniline	11.372	127	230931	29.334	ng/ul	99
33) Hexachlorobutadiene	11.495	225	93024	31.835	ng/ul	92
34) Caprolactam	12.147	113	62643m	35.155	ng/ul	
35) 4-Chloro-3-methylphenol	12.435	107	199922	34.400	ng/ul	92
36) 2-Methylnaphthalene	12.841	142	410531	30.583	ng/ul	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	13.058	142	411003	30.740	ng/ul#	98
39) 1,2,4,5-Tetrachloroben...	13.182	216	170986	31.777	ng/ul	99
40) Hexachlorocyclopentadiene	13.135	237	95245	30.365	ng/ul#	92
41) 2,4,6-Trichlorophenol	13.417	196	128232	34.417	ng/ul	95
42) 2,4,5-Trichlorophenol	13.481	196	139463	34.574	ng/ul#	90
43) 1,1'-Biphenyl	13.828	154	557981	33.063	ng/ul	99
44) 2-Chloronaphthalene	13.881	162	409887	31.249	ng/ul	98
45) 2-Nitroaniline	14.092	65	107585	44.081	ng/ul	92
47) Dimethylphthalate	14.433	163	543106	32.525	ng/ul#	95
48) 2,6-Dinitrotoluene	14.568	165	99597	39.539	ng/ul#	74
50) Acenaphthylene	14.721	152	722771	31.627	ng/ul#	96
51) 3-Nitroaniline	14.909	138	117864	37.539	ng/ul#	79
52) Acenaphthene	15.050	153	472641	31.728	ng/ul	100
53) 2,4-Dinitrophenol	15.097	184	55933	39.080	ng/ul#	81
55) 4-Nitrophenol	15.167	109	140042	43.843	ng/ul	90
56) Dibenzofuran	15.385	168	616380	31.915	ng/ul	91
57) 2,4-Dinitrotoluene	15.344	165	151124	42.652	ng/ul#	94
58) 2,3,4,6-Tetrachlorophenol	15.591	232	114068	36.030	ng/ul#	87
59) Diethylphthalate	15.779	149	604325	33.177	ng/ul	96
61) Fluorene	16.031	166	535990	32.148	ng/ul	97
62) 4-Chlorophenyl-phenyle...	16.019	204	233197	32.728	ng/ul	93
63) 4-Nitroaniline	16.066	138	136301	40.906	ng/ul	93
66) 4,6-Dinitro-2-methylph...	16.096	198	82502	40.218	ng/ul#	87
67) N-Nitrosodiphenylamine	16.231	169	458723	32.663	ng/ul	98
68) 4-Bromophenyl-phenylether	16.918	248	129206	31.415	ng/ul	92
69) Hexachlorobenzene	17.001	284	163896	34.480	ng/ul	94
70) Atrazine	17.171	200	153804	35.342	ng/ul	96
71) Pentachlorophenol	17.353	266	106230	39.120	ng/ul	93
72) Phenanthrene	17.782	178	893278	33.431	ng/ul	97
74) Anthracene	17.876	178	882790	32.722	ng/ul	97
75) 1,2,3,4-Tetrachloroben...	13.787	216	171360	31.308	ng/ul	97
76) Pentachlorobenzene	15.279	250	163470	31.474	ng/ul	95
77) Carbazole	18.146	167	866079	37.369	ng/ul	97
78) Di-n-butylphthalate	18.663	149	1099536	34.529	ng/ul	98
80) Fluoranthene	19.774	202	984512	34.263	ng/ul	99
82) Pyrene	20.138	202	999194	33.478	ng/ul	97
83) Butylbenzylphthalate	21.008	149	497926	36.941	ng/ul	94
84) 3,3'-Dichlorobenzidine	21.965	252	335955	38.095	ng/ul	98
85) Benzo(a)anthracene	22.054	228	938621	33.633	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.907	149	707753	35.189	ng/ul	99
87) Chrysene	22.130	228	879270	33.870	ng/ul	98
89) Di-n-octyl phthalate	23.264	149	1205558	36.577	ng/ul	100
90) Benzo(b)fluoranthene	24.515	252	936077	34.303	ng/ul	97
91) Benzo(k)fluoranthene	24.598	252	919749	33.743	ng/ul	98
93) Benzo(a)pyrene	25.520	252	880844	34.153	ng/ul	93
94) Indeno(1,2,3-cd)pyrene	29.874	276	1121594m	34.309	ng/ul	
95) Dibenzo(a,h)anthracene	29.980	278	933807	34.586	ng/ul	96
96) Benzo(g,h,i)perylene	31.207	276	881350	32.941	ng/ul	94

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

