

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100923\
 Data File : BG059418.D
 Acq On : 10 Oct 2023 6:50
 Operator : MA/JU
 Sample : PB156059BS
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SLCS059

Quant Time: Oct 10 07:24:58 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG100723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Oct 07 22:45:22 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/11/2023
 Supervised By :mohammad ahmed 10/11/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.222	152	39424	20.000	ng/u1	0.00
20) Naphthalene-d8	11.066	136	197963	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.861	164	129149	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.611	188	290670	20.000	ng/u1	0.00
79) Chrysene-d12	21.912	240	255573	20.000	ng/u1	0.00
88) Perylene-d12	25.390	264	304227	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.522	96	8161	7.381	ng/uL	0.00
4) Pyridine-d5	3.962	84	122088	38.361	ng/u1	0.00
7) Phenol-d5	7.353	99	178938	41.106	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.547	67	99377	40.390	ng/u1	0.00
11) 2-Chlorophenol-d4	7.746	132	124977	41.050	ng/u1	0.00
15) 4-Methylphenol-d8	8.921	113	134917	39.779	ng/u1	0.00
21) Nitrobenzene-d5	9.427	128	66002	39.166	ng/u1	0.00
24) 2-Nitrophenol-d4	10.143	143	73125	40.091	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.672	165	136047	41.325	ng/u1	0.00
31) 4-Chloroaniline-d4	11.213	131	191893	36.695	ng/u1	0.00
46) Dimethylphthalate-d6	14.256	166	424602	40.130	ng/u1	0.00
49) Acenaphthylene-d8	14.562	160	517427	41.094	ng/u1	0.00
54) 4-Nitrophenol-d4	15.061	143	73770	37.205	ng/u1	0.00
60) Fluorene-d10	15.849	176	393742	38.986	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.966	200	77032	40.139	ng/u1	0.00
73) Anthracene-d10	17.711	188	579847	40.666	ng/u1	0.00
81) Pyrene-d10	19.985	212	639404	41.299	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.149	264	649874	40.594	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.563	88	17005	14.407	ng/uL	93
5) Pyridine	3.980	79	110840	34.493	ng/u1	95
6) Benzaldehyde	7.370	77	77049	42.670	ng/u1	96
8) Phenol	7.382	94	178998	41.583	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.641	93	132556	39.986	ng/u1	94
12) 2-Chlorophenol	7.782	128	128650	40.102	ng/u1#	94
13) 2-Methylphenol	8.657	108	128115	39.830	ng/u1	85
14) 2,2'-oxybis(1-Chloropr...	8.727	45	282631m	40.748	ng/u1	
16) Acetophenone	9.068	105	205734	39.917	ng/u1	95
17) N-Nitroso-di-n-propyla...	9.039	70	97661	38.029	ng/u1#	98
18) 4-Methylphenol	8.992	108	144192	40.766	ng/u1	95
19) Hexachloroethane	9.309	117	47668	40.850	ng/u1#	68
22) Nitrobenzene	9.468	77	146752	39.723	ng/u1	94
23) Isophorone	9.973	82	313230	39.705	ng/u1	98
25) 2-Nitrophenol	10.173	139	79041	42.018	ng/u1	96
26) 2,4-Dimethylphenol	10.202	107	130064	35.050	ng/u1	95
27) Bis(2-Chloroethoxy)met...	10.461	93	191004	40.291	ng/u1	99
29) 2,4-Dichlorophenol	10.696	162	138929	41.908	ng/u1	96
30) Naphthalene	11.119	128	462617	40.405	ng/u1	98
32) 4-Chloroaniline	11.236	127	173339	35.039	ng/u1	94
33) Hexachlorobutadiene	11.348	225	83709	41.821	ng/u1	98
34) Caprolactam	12.024	113	42594m	35.383	ng/u1	
35) 4-Chloro-3-methylphenol	12.323	107	140137	39.394	ng/u1	92
36) 2-Methylnaphthalene	12.705	142	307288	40.259	ng/u1	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.923	142	304970	38.482	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	13.052	216	166092	43.175	ng/ul	95
40) Hexachlorocyclopentadiene	12.999	237	89467	38.738	ng/ul	97
41) 2,4,6-Trichlorophenol	13.299	196	112718	43.182	ng/ul	87
42) 2,4,5-Trichlorophenol	13.369	196	121275	42.778	ng/ul	99
43) 1,1'-Biphenyl	13.698	154	445544	41.916	ng/ul	96
44) 2-Chloronaphthalene	13.751	162	341253	41.766	ng/ul	99
45) 2-Nitroaniline	13.968	65	110292	41.222	ng/ul	96
47) Dimethylphthalate	14.303	163	427174	40.171	ng/ul	100
48) 2,6-Dinitrotoluene	14.456	165	88582	41.291	ng/ul	91
50) Acenaphthylene	14.591	152	552470	40.819	ng/ul	99
51) 3-Nitroaniline	14.791	138	92492	44.029	ng/ul	96
52) Acenaphthene	14.926	153	380013	41.497	ng/ul	97
53) 2,4-Dinitrophenol	14.985	184	33909	22.005	ng/ul	96
55) 4-Nitrophenol	15.073	109	53468	39.967	ng/ul	90
56) Dibenzofuran	15.261	168	529202	41.881	ng/ul	98
57) 2,4-Dinitrotoluene	15.232	165	130409	41.506	ng/ul	96
58) 2,3,4,6-Tetrachlorophenol	15.467	232	114639	42.142	ng/ul#	96
59) Diethylphthalate	15.649	149	414228	39.166	ng/ul	96
61) Fluorene	15.907	166	424501	39.485	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.890	204	216798	40.811	ng/ul	98
63) 4-Nitroaniline	15.954	138	86805	45.898	ng/ul	95
66) 4,6-Dinitro-2-methylph...	15.978	198	79261	38.831	ng/ul#	89
67) N-Nitrosodiphenylamine	16.107	169	358356	43.566	ng/ul	99
68) 4-Bromophenyl-phenylether	16.783	248	133342	43.201	ng/ul	96
69) Hexachlorobenzene	16.877	284	149574	42.454	ng/ul	93
70) Atrazine	17.041	200	128982	39.549	ng/ul	92
71) Pentachlorophenol	17.235	266	74800	36.530	ng/ul	92
72) Phenanthrene	17.652	178	722682	41.980	ng/ul	99
74) Anthracene	17.746	178	734368	41.944	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.657	216	166714	44.147	ng/uL	96
76) Pentachlorobenzene	15.149	250	159946	40.925	ng/uL	95
77) Carbazole	18.022	167	608643	41.772	ng/ul	99
78) Di-n-butylphthalate	18.522	149	735035	42.640	ng/ul	98
80) Fluoranthene	19.650	202	803288	41.697	ng/ul	99
82) Pyrene	20.014	202	840818	41.995	ng/ul	97
83) Butylbenzylphthalate	20.866	149	307526	41.570	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.806	252	283590	44.479	ng/ul	95
85) Benzo(a)anthracene	21.889	228	818600	41.939	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.718	149	467724	42.274	ng/ul	99
87) Chrysene	21.965	228	778345	42.454	ng/ul	97
89) Di-n-octyl phthalate	23.011	149	785054	40.896	ng/ul	100
90) Benzo(b)fluoranthene	24.268	252	841462	41.979	ng/ul	99
91) Benzo(k)fluoranthene	24.344	252	842302	41.385	ng/ul	97
93) Benzo(a)pyrene	25.232	252	807255	42.278	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	29.409	276	924191	42.020	ng/ul	96
95) Dibenzo(a,h)anthracene	29.497	278	769240m	43.012	ng/ul	
96) Benzo(g,h,i)perylene	30.690	276	730636	41.653	ng/ul	98

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

