

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091523\
 Data File : BG059074.D
 Acq On : 15 Sep 2023 18:59
 Operator : MA/JU
 Sample : SSTDICV020
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SICV427

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/18/2023
 Supervised By :mohammad ahmed 09/18/2023

Quant Time: Sep 16 00:40:20 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091523.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Sep 16 00:35:53 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.294	152	35505	20.000	ng/u1	0.00
20) Naphthalene-d8	11.144	136	251059	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.928	164	181863	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.677	188	400230	20.000	ng/u1	0.00
79) Chrysene-d12	22.002	240	349066	20.000	ng/u1	0.00
88) Perylene-d12	25.551	264	399757	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.606	96	6705	8.938	ng/uL	0.00
4) Pyridine-d5	4.035	84	43557	16.574	ng/u1	0.00
7) Phenol-d5	7.407	99	59070	16.712	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.613	67	35845	16.580	ng/u1	0.00
11) 2-Chlorophenol-d4	7.807	132	43864	16.669	ng/u1	0.00
15) 4-Methylphenol-d8	8.976	113	46845	16.313	ng/u1	0.00
21) Nitrobenzene-d5	9.493	128	31841	15.669	ng/u1	0.00
24) 2-Nitrophenol-d4	10.210	143	35060	17.069	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.733	165	67287	17.041	ng/u1	0.00
31) 4-Chloroaniline-d4	11.285	131	106716	17.332	ng/u1	0.00
46) Dimethylphthalate-d6	14.323	166	241930	17.341	ng/u1	0.00
49) Acenaphthylene-d8	14.628	160	258191	17.156	ng/u1	0.00
54) 4-Nitrophenol-d4	15.098	143	46091	16.755	ng/u1	0.00
60) Fluorene-d10	15.915	176	200894	16.703	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	16.021	200	39148	16.995	ng/u1	0.00
73) Anthracene-d10	17.777	188	311645	17.065	ng/u1	0.00
81) Pyrene-d10	20.051	212	339330	17.116	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.304	264	332359	16.846	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.641	88	8082	7.643	ng/uL	87
5) Pyridine	4.058	79	42341	15.990	ng/u1	92
6) Benzaldehyde	7.437	77	36572	19.790	ng/u1	86
8) Phenol	7.437	94	62110	17.007	ng/u1	96
10) Bis(2-Chloroethyl)ether	7.713	93	48423	17.288	ng/u1	96
12) 2-Chlorophenol	7.842	128	43845	16.322	ng/u1	97
13) 2-Methylphenol	8.717	108	50859	17.194	ng/u1	86
14) 2,2'-oxybis(1-Chloropr...	8.806	45	102175	17.125	ng/u1#	96
16) Acetophenone	9.140	105	81067	17.117	ng/u1	99
17) N-Nitroso-di-n-propyla...	9.099	70	39397	16.050	ng/u1	97
18) 4-Methylphenol	9.046	108	55241	16.830	ng/u1	97
19) Hexachloroethane	9.387	117	22384	20.726	ng/u1#	83
22) Nitrobenzene	9.540	77	78961	15.758	ng/u1	98
23) Isophorone	10.039	82	172108	17.013	ng/u1	100
25) 2-Nitrophenol	10.239	139	37598	16.556	ng/u1	93
26) 2,4-Dimethylphenol	10.268	107	77802	16.970	ng/u1	99
27) Bis(2-Chloroethoxy)met...	10.527	93	96551	16.577	ng/u1	96
29) 2,4-Dichlorophenol	10.762	162	67748	17.096	ng/u1	99
30) Naphthalene	11.191	128	231366	16.997	ng/u1	96
32) 4-Chloroaniline	11.308	127	102588	17.321	ng/u1	99
33) Hexachlorobutadiene	11.420	225	37207	16.567	ng/u1	93
34) Caprolactam	12.084	113	26110	17.067	ng/u1	84
35) 4-Chloro-3-methylphenol	12.378	107	82004	17.157	ng/u1	96
36) 2-Methylnaphthalene	12.777	142	157633	16.981	ng/u1	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.989	142	159925	16.804	ng/ul	89
39) 1,2,4,5-Tetrachloroben...	13.118	216	75013	15.994	ng/ul	93
40) Hexachlorocyclopentadiene	13.071	237	51174	17.880	ng/ul	98
41) 2,4,6-Trichlorophenol	13.359	196	59799	17.012	ng/ul#	96
42) 2,4,5-Trichlorophenol	13.424	196	63222	16.425	ng/ul	94
43) 1,1'-Biphenyl	13.764	154	216451	16.707	ng/ul	97
44) 2-Chloronaphthalene	13.817	162	179058	16.653	ng/ul	97
45) 2-Nitroaniline	14.035	65	63981	16.876	ng/ul	97
47) Dimethylphthalate	14.370	163	243587	17.147	ng/ul	98
48) 2,6-Dinitrotoluene	14.511	165	47713	16.980	ng/ul	90
50) Acenaphthylene	14.657	152	297852	16.625	ng/ul	99
51) 3-Nitroaniline	14.851	138	51904	17.833	ng/ul	92
52) Acenaphthene	14.992	153	193619	16.634	ng/ul	98
53) 2,4-Dinitrophenol	15.045	184	32833	21.248	ng/ul	97
55) 4-Nitrophenol	15.116	109	33890	16.857	ng/ul	83
56) Dibenzofuran	15.321	168	280263	16.696	ng/ul	98
57) 2,4-Dinitrotoluene	15.286	165	69749	17.202	ng/ul#	97
58) 2,3,4,6-Tetrachlorophenol	15.533	232	56400	16.578	ng/ul#	94
59) Diethylphthalate	15.715	149	245363	17.034	ng/ul	100
61) Fluorene	15.974	166	243249	17.087	ng/ul	96
62) 4-Chlorophenyl-phenyle...	15.956	204	110545	16.992	ng/ul	95
63) 4-Nitroaniline	16.009	138	47909	17.399	ng/ul	94
66) 4,6-Dinitro-2-methylph...	16.038	198	42105	17.022	ng/ul#	94
67) N-Nitrosodiphenylamine	16.173	169	204720	17.267	ng/ul	97
68) 4-Bromophenyl-phenylether	16.855	248	68191	17.209	ng/ul	97
69) Hexachlorobenzene	16.943	284	76410	17.062	ng/ul	97
70) Atrazine	17.108	200	74961	17.744	ng/ul	97
71) Pentachlorophenol	17.296	266	48718m	17.136	ng/ul	
72) Phenanthrene	17.724	178	378903	16.988	ng/ul	100
74) Anthracene	17.813	178	395446	17.145	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.723	216	84575	17.603	ng/uL	95
76) Pentachlorobenzene	15.216	250	82939	17.846	ng/uL	93
77) Carbazole	18.089	167	356959	17.149	ng/ul	98
78) Di-n-butylphthalate	18.600	149	434232	16.068	ng/ul	99
80) Fluoranthene	19.716	202	426646	17.074	ng/ul	97
82) Pyrene	20.081	202	446098	17.075	ng/ul	97
83) Butylbenzylphthalate	20.938	149	181237	17.015	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.890	252	147443	17.617	ng/ul	95
85) Benzo(a)anthracene	21.978	228	420540	16.755	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.820	149	274336	16.832	ng/ul	99
87) Chrysene	22.055	228	391588	16.987	ng/ul	98
89) Di-n-octyl phthalate	23.142	149	466372	17.013	ng/ul	100
90) Benzo(b)fluoranthene	24.399	252	420668	16.924	ng/ul	99
91) Benzo(k)fluoranthene	24.481	252	422679	16.865	ng/ul	98
93) Benzo(a)pyrene	25.386	252	395171	16.802	ng/ul	96
94) Indeno(1,2,3-cd)pyrene	29.663	276	449813m	16.993	ng/ul	
95) Dibenzo(a,h)anthracene	29.752	278	356984	16.912	ng/ul	98
96) Benzo(g,h,i)perylene	30.962	276	363230m	16.837	ng/ul	

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

