

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120924\
 Data File : BG063620.D
 Acq On : 10 Dec 2024 3:42
 Operator : RC/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020558

Quant Time: Dec 10 04:21:33 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG120624.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 06 15:14:46 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/11/2024
 Supervised By :mohammad ahmed 12/11/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.824	152	152336	20.000	ng/u1	0.00
20) Naphthalene-d8	10.609	136	664007	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.463	164	554754	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.213	188	1319541	20.000	ng/u1	# 0.00
79) Chrysene-d12	21.472	240	1186645	20.000	ng/u1	# 0.00
88) Perylene-d12	24.504	264	1311070	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.282	96	27192	7.880	ng/uL	0.00
4) Pyridine-d5	3.693	84	232049	18.179	ng/u1	0.00
7) Phenol-d5	7.001	99	288889	19.261	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.154	67	191115	18.846	ng/u1	0.00
11) 2-Chlorophenol-d4	7.359	132	183598	20.780	ng/u1	0.00
15) 4-Methylphenol-d8	8.535	113	223528	20.101	ng/u1	0.00
21) Nitrobenzene-d5	8.975	128	96439	20.691	ng/u1	0.00
24) 2-Nitrophenol-d4	9.698	143	107485	20.153	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.238	165	225209	19.611	ng/u1	0.00
31) 4-Chloroaniline-d4	10.750	131	296319	21.351	ng/u1	0.00
46) Dimethylphthalate-d6	13.870	166	762491	18.912	ng/u1	0.00
49) Acenaphthylene-d8	14.152	160	926760	21.029	ng/u1	0.00
54) 4-Nitrophenol-d4	14.680	143	106545	20.638	ng/u1	0.00
60) Fluorene-d10	15.462	176	721264	18.148	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.591	200	122227	16.397	ng/u1	0.00
73) Anthracene-d10	17.313	188	1215439	20.173	ng/u1	0.00
81) Pyrene-d10	19.616	212	1361747	20.703	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.298	264	1298747	19.723	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.317	88	32488	7.071	ng/uL	96
5) Pyridine	3.711	79	247671	18.683	ng/u1	89
6) Benzaldehyde	6.960	77	201793	21.025	ng/u1	95
8) Phenol	7.025	94	305023	18.918	ng/u1	88
10) Bis(2-Chloroethyl)ether	7.248	93	226603	20.342	ng/u1	88
12) 2-Chlorophenol	7.389	128	192011	21.475	ng/u1	94
13) 2-Methylphenol	8.270	108	219138	19.478	ng/u1	97
14) 2,2'-oxybis(1-Chloropr...	8.341	45	338310	22.584	ng/u1	97
16) Acetophenone	8.640	105	378265	18.477	ng/u1	95
17) N-Nitroso-di-n-propyla...	8.623	70	219850	18.849	ng/u1#	94
18) 4-Methylphenol	8.599	108	244005	19.751	ng/u1	97
19) Hexachloroethane	8.899	117	89771	18.789	ng/u1	93
22) Nitrobenzene	9.016	77	333218	17.674	ng/u1#	92
23) Isophorone	9.539	82	610638	17.964	ng/u1	98
25) 2-Nitrophenol	9.727	139	115937	21.816	ng/u1#	70
26) 2,4-Dimethylphenol	9.792	107	269685	18.622	ng/u1	87
27) Bis(2-Chloroethoxy)met...	10.021	93	328585	20.688	ng/u1	98
29) 2,4-Dichlorophenol	10.268	162	228212	19.825	ng/u1	97
30) Naphthalene	10.662	128	716224	20.953	ng/u1	95
32) 4-Chloroaniline	10.773	127	270605	20.584	ng/u1	91
33) Hexachlorobutadiene	10.949	225	175831	14.803	ng/u1	86
34) Caprolactam	11.525	113	76842m	20.391	ng/u1	
35) 4-Chloro-3-methylphenol	11.907	107	279224m	19.445	ng/u1	
36) 2-Methylnaphthalene	12.277	142	543965	20.642	ng/u1	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.495	142	548571	20.531	ng/ul#	98
39) 1,2,4,5-Tetrachloroben...	12.647	216	351223	16.285	ng/ul	97
40) Hexachlorocyclopentadiene	12.624	237	143098	15.894	ng/ul	93
41) 2,4,6-Trichlorophenol	12.894	196	198523	18.665	ng/ul#	90
42) 2,4,5-Trichlorophenol	12.971	196	217475	18.952	ng/ul#	97
43) 1,1'-Biphenyl	13.288	154	765978	20.801	ng/ul#	96
44) 2-Chloronaphthalene	13.335	162	602830	19.862	ng/ul	97
45) 2-Nitroaniline	13.540	65	207394	20.918	ng/ul#	84
47) Dimethylphthalate	13.917	163	774378	18.984	ng/ul#	98
48) 2,6-Dinitrotoluene	14.040	165	146236	19.431	ng/ul	91
50) Acenaphthylene	14.181	152	981337	21.175	ng/ul	98
51) 3-Nitroaniline	14.369	138	144537	22.787	ng/ul	95
52) Acenaphthene	14.528	153	699051	20.774	ng/ul	93
53) 2,4-Dinitrophenol	14.592	184	64721	17.421	ng/ul#	88
55) 4-Nitrophenol	14.692	109	111434	14.049	ng/ul#	76
56) Dibenzofuran	14.862	168	1024324	19.696	ng/ul	97
57) 2,4-Dinitrotoluene	14.833	165	222416	18.739	ng/ul	86
58) 2,3,4,6-Tetrachlorophenol	15.097	232	186361	17.364	ng/ul	96
59) Diethylphthalate	15.286	149	778015	19.574	ng/ul	97
61) Fluorene	15.515	166	805159	19.007	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.509	204	454993	16.678	ng/ul	96
63) 4-Nitroaniline	15.538	138	145805m	21.376	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.603	198	126586	17.008	ng/ul#	94
67) N-Nitrosodiphenylamine	15.720	169	712854	23.068	ng/ul	96
68) 4-Bromophenyl-phenylether	16.402	248	294008	18.857	ng/ul	88
69) Hexachlorobenzene	16.525	284	317817	18.936	ng/ul	98
70) Atrazine	16.678	200	296218	20.507	ng/ul#	94
71) Pentachlorophenol	16.878	266	152995	25.926	ng/ul#	77
72) Phenanthrene	17.260	178	1399174	21.526	ng/ul	98
74) Anthracene	17.348	178	1412867	21.050	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.258	216	361783	19.427	ng/ul	96
76) Pentachlorobenzene	14.786	250	374945	19.271	ng/ul	96
77) Carbazole	17.624	167	1174217	21.836	ng/ul	99
78) Di-n-butylphthalate	18.182	149	1268110	22.090	ng/ul	97
80) Fluoranthene	19.281	202	1584595	21.436	ng/ul#	94
82) Pyrene	19.645	202	1698208	21.611	ng/ul#	90
83) Butylbenzylphthalate	20.538	149	456188m	27.568	ng/ul	
84) 3,3'-Dichlorobenzidine	21.372	252	491361	24.189	ng/ul#	98
85) Benzo(a)anthracene	21.455	228	1661729	20.764	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.367	149	691138	27.780	ng/ul#	99
87) Chrysene	21.514	228	1570378	20.888	ng/ul	99
89) Di-n-octyl phthalate	22.506	149	1232227	26.893	ng/ul	100
90) Benzo(b)fluoranthene	23.546	252	1611667	19.789	ng/ul#	96
91) Benzo(k)fluoranthene	23.611	252	1616106	19.963	ng/ul#	98
93) Benzo(a)pyrene	24.357	252	1488104	19.481	ng/ul#	97
94) Indeno(1,2,3-cd)pyrene	27.918	276	1848021	20.056	ng/ul#	94
95) Dibenzo(a,h)anthracene	27.977	278	1467227	19.854	ng/ul#	94
96) Benzo(g,h,i)perylene	28.981	276	1431157	20.435	ng/ul#	93

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

