

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112024\
 Data File : BG063480.D
 Acq On : 20 Nov 2024 10:59
 Operator : RC/JU
 Sample : SSTD01077
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD010418

Quant Time: Nov 20 14:23:44 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112024.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Nov 20 13:32:55 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/22/2024
 Supervised By :mohammad ahmed 11/22/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.830	152	94268	20.000	ng/u1	0.00
20) Naphthalene-d8	10.620	136	390388	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.469	164	302983	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.224	188	750643	20.000	ng/u1	0.00
79) Chrysene-d12	21.484	240	855111	20.000	ng/u1	0.00
88) Perylene-d12	24.522	264	932089	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.300	96	10369	4.904	ng/uL	0.00
4) Pyridine-d5	3.705	84	73225	10.421	ng/u1	0.00
7) Phenol-d5	7.007	99	70354	8.352	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.166	67	47028	9.328	ng/u1	0.00
11) 2-Chlorophenol-d4	7.365	132	55746	10.138	ng/u1	0.00
15) 4-Methylphenol-d8	8.546	113	60219	8.429	ng/u1	0.00
21) Nitrobenzene-d5	8.981	128	27235	9.690	ng/u1	0.00
24) 2-Nitrophenol-d4	9.704	143	33020	9.219	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.250	165	64232	9.141	ng/u1	0.00
31) 4-Chloroaniline-d4	10.761	131	76978	8.473	ng/u1	0.00
46) Dimethylphthalate-d6	13.875	166	201464	8.616	ng/u1	0.00
49) Acenaphthylene-d8	14.163	160	230272	9.752	ng/u1	0.00
54) 4-Nitrophenol-d4	14.692	143	25866	7.955	ng/u1	0.00
60) Fluorene-d10	15.462	176	180586	9.062	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.597	200	32845	7.033	ng/u1	0.00
73) Anthracene-d10	17.324	188	316106	9.627	ng/u1	0.00
81) Pyrene-d10	19.622	212	422467	9.664	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.316	264	428579	9.367	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.335	88	13072	5.049	ng/uL	94
5) Pyridine	3.723	79	73646	10.313	ng/u1	99
6) Benzaldehyde	6.972	77	54550	12.005	ng/u1	91
8) Phenol	7.036	94	82200	8.951	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.254	93	59979	9.491	ng/u1	98
12) 2-Chlorophenol	7.401	128	56247	9.480	ng/u1	99
13) 2-Methylphenol	8.282	108	59142	8.832	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.347	45	88827	10.760	ng/u1	97
16) Acetophenone	8.646	105	99698	8.793	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.629	70	57412	8.727	ng/u1	98
18) 4-Methylphenol	8.605	108	65858	8.544	ng/u1	91
19) Hexachloroethane	8.905	117	24126	9.974	ng/u1	99
22) Nitrobenzene	9.028	77	83873	9.770	ng/u1	96
23) Isophorone	9.545	82	154444	8.790	ng/u1#	93
25) 2-Nitrophenol	9.739	139	32108	9.123	ng/u1	96
26) 2,4-Dimethylphenol	9.804	107	72292	9.429	ng/u1	95
27) Bis(2-Chloroethoxy)met...	10.033	93	87107	10.026	ng/u1	99
29) 2,4-Dichlorophenol	10.274	162	61590	9.312	ng/u1	94
30) Naphthalene	10.667	128	197026	9.745	ng/u1	97
32) 4-Chloroaniline	10.785	127	77204	8.911	ng/u1	98
33) Hexachlorobutadiene	10.955	225	56972	9.211	ng/u1	90
34) Caprolactam	11.531	113	21757m	8.331	ng/u1	
35) 4-Chloro-3-methylphenol	11.919	107	61686	8.067	ng/u1	90
36) 2-Methylnaphthalene	12.283	142	138328	8.853	ng/u1	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.501	142	147951	9.141	ng/ul	95
39) 1,2,4,5-Tetrachloroben...	12.653	216	103508	9.581	ng/ul	94
40) Hexachlorocyclopentadiene	12.636	237	27911	4.972	ng/ul#	90
41) 2,4,6-Trichlorophenol	12.906	196	55940	9.643	ng/ul	91
42) 2,4,5-Trichlorophenol	12.977	196	58291	9.272	ng/ul	94
43) 1,1'-Biphenyl	13.300	154	196513	9.968	ng/ul	98
44) 2-Chloronaphthalene	13.341	162	155740	10.109	ng/ul	95
45) 2-Nitroaniline	13.552	65	44473	8.545	ng/ul	98
47) Dimethylphthalate	13.922	163	200850	8.919	ng/ul#	95
48) 2,6-Dinitrotoluene	14.046	165	39646	9.082	ng/ul#	80
50) Acenaphthylene	14.193	152	229383	9.697	ng/ul	99
51) 3-Nitroaniline	14.381	138	39332	10.434	ng/ul#	99
52) Acenaphthene	14.534	153	167597	9.921	ng/ul	97
53) 2,4-Dinitrophenol	14.604	184	12427m	4.441	ng/ul	
55) 4-Nitrophenol	14.704	109	27612	6.645	ng/ul	89
56) Dibenzofuran	14.868	168	242093	9.483	ng/ul	94
57) 2,4-Dinitrotoluene	14.845	165	61118	8.876	ng/ul	90
58) 2,3,4,6-Tetrachlorophenol	15.103	232	52608	8.216	ng/ul#	81
59) Diethylphthalate	15.291	149	200324	8.713	ng/ul	96
61) Fluorene	15.521	166	207797	9.652	ng/ul	96
62) 4-Chlorophenyl-phenyle...	15.515	204	120008	8.824	ng/ul	96
63) 4-Nitroaniline	15.544	138	39161	10.134	ng/ul	92
66) 4,6-Dinitro-2-methylph...	15.609	198	37405	7.711	ng/ul#	95
67) N-Nitrosodiphenylamine	15.732	169	173800	10.054	ng/ul	95
68) 4-Bromophenyl-phenylether	16.414	248	78971	9.082	ng/ul	97
69) Hexachlorobenzene	16.531	284	83950	9.102	ng/ul	93
70) Atrazine	16.684	200	80641	8.815	ng/ul	97
71) Pentachlorophenol	16.884	266	28246	5.960	ng/ul#	88
72) Phenanthrene	17.266	178	353577	10.077	ng/ul	96
74) Anthracene	17.360	178	359811	10.012	ng/ul	97
75) 1,2,3,4-Tetrachloroben...	13.264	216	103033	10.221	ng/ul	97
76) Pentachlorobenzene	14.792	250	103113	9.705	ng/ul	88
77) Carbazole	17.630	167	303895	10.190	ng/ul	99
78) Di-n-butylphthalate	18.194	149	338613	9.913	ng/ul	98
80) Fluoranthene	19.287	202	470802	9.932	ng/ul	100
82) Pyrene	19.651	202	496509	9.786	ng/ul#	96
83) Butylbenzylphthalate	20.550	149	156702	10.351	ng/ul	94
84) 3,3'-Dichlorobenzidine	21.384	252	193567	10.420	ng/ul	97
85) Benzo(a)anthracene	21.467	228	552658	10.033	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.378	149	232473	10.581	ng/ul	97
87) Chrysene	21.525	228	518220	10.059	ng/ul	100
89) Di-n-octyl phthalate	22.524	149	406861	10.584	ng/ul	100
90) Benzo(b)fluoranthene	23.558	252	547791m	9.704	ng/ul	
91) Benzo(k)fluoranthene	23.623	252	533332	9.288	ng/ul#	99
93) Benzo(a)pyrene	24.375	252	507855	9.630	ng/ul	100
94) Indeno(1,2,3-cd)pyrene	27.947	276	632827	9.732	ng/ul	98
95) Dibenzo(a,h)anthracene	27.994	278	517827	9.706	ng/ul#	97
96) Benzo(g,h,i)perylene	29.005	276	483685	9.836	ng/ul	97

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

