

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082024\
 Data File : BG062474.D
 Acq On : 20 Aug 2024 12:27
 Operator : MA/JU
 Sample : P3504-26MSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DCYF2MSD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/21/2024
 Supervised By :mohammad ahmed 08/22/2024

Quant Time: Aug 20 13:10:06 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG081424.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Aug 20 11:04:05 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.941	152	70321	20.000	ng/u1	0.00
20) Naphthalene-d8	10.737	136	337009	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.562	164	243906	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.305	188	518764	20.000	ng/u1	0.00
79) Chrysene-d12	21.546	240	459000	20.000	ng/u1	0.00
88) Perylene-d12	24.630	264	524728	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.406	96	7379	3.984	ng/uL	0.00
4) Pyridine-d5	3.811	84	45104	7.992	ng/u1	0.00
7) Phenol-d5	7.107	99	189668	27.112	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.271	67	111211	25.237	ng/u1	0.00
11) 2-Chlorophenol-d4	7.477	132	139860	29.267	ng/u1	0.00
15) 4-Methylphenol-d8	8.646	113	135933	23.181	ng/u1	0.00
21) Nitrobenzene-d5	9.098	128	70454	32.599	ng/u1	0.00
24) 2-Nitrophenol-d4	9.815	143	80285	37.343	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.355	165	166598	30.423	ng/u1	0.00
31) 4-Chloroaniline-d4	10.867	131	114817	13.222	ng/u1	0.00
46) Dimethylphthalate-d6	13.974	166	489461	25.799	ng/u1	0.00
49) Acenaphthylene-d8	14.256	160	561705	26.740	ng/u1	0.00
54) 4-Nitrophenol-d4	14.755	143	79810	26.370	ng/u1	0.00
60) Fluorene-d10	15.554	176	439895	25.707	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.666	200	77469	32.867	ng/u1	0.00
73) Anthracene-d10	17.405	188	587686	23.582	ng/u1	0.00
81) Pyrene-d10	19.684	212	784129	29.170	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.419	264	748527	26.880	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.441	88	20776	10.508	ng/uL	95
5) Pyridine	3.829	79	159632	26.881	ng/u1	98
6) Benzaldehyde	7.083	77	132172	36.446	ng/u1	98
8) Phenol	7.130	94	254108	34.617	ng/u1	99
10) Bis(2-Chloroethyl)ether	7.365	93	172378	31.736	ng/u1	98
12) 2-Chlorophenol	7.506	128	172817	34.962	ng/u1	99
13) 2-Methylphenol	8.382	108	175853	31.835	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.464	45	363856	32.454	ng/u1	99
16) Acetophenone	8.758	105	290674	30.261	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.752	70	155201	30.618	ng/u1	97
18) 4-Methylphenol	8.711	108	191495	30.266	ng/u1	100
19) Hexachloroethane	9.022	117	67575	34.358	ng/u1	99
22) Nitrobenzene	9.139	77	219293	35.922	ng/u1	98
23) Isophorone	9.662	82	439443	30.480	ng/u1	99
25) 2-Nitrophenol	9.850	139	106421	44.307	ng/u1	98
26) 2,4-Dimethylphenol	9.909	107	64744	9.884	ng/u1	96
27) Bis(2-Chloroethoxy)met...	10.144	93	248491	30.986	ng/u1	99
29) 2,4-Dichlorophenol	10.385	162	199634	35.501	ng/u1	99
30) Naphthalene	10.784	128	617590	31.597	ng/u1	100
32) 4-Chloroaniline	10.890	127	134326	15.911	ng/u1	99
33) Hexachlorobutadiene	11.078	225	140352	32.834	ng/u1	99
34) Caprolactam	11.660	113	63439m	27.971	ng/u1	
35) 4-Chloro-3-methylphenol	12.012	107	212897	32.355	ng/u1	98
36) 2-Methylnaphthalene	12.394	142	441001	31.949	ng/u1	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.611	142	438703	31.150	ng/ul	97
39) 1,2,4,5-Tetrachloroben...	12.758	216	272607	33.470	ng/ul	97
40) Hexachlorocyclopentadiene	12.746	237	127641	30.573	ng/ul	97
41) 2,4,6-Trichlorophenol	12.993	196	170116	36.309	ng/ul	100
42) 2,4,5-Trichlorophenol	13.069	196	188308	38.281	ng/ul	99
43) 1,1'-Biphenyl	13.398	154	617517	33.418	ng/ul	98
44) 2-Chloronaphthalene	13.440	162	478132	33.439	ng/ul	100
45) 2-Nitroaniline	13.639	65	153625	41.481	ng/ul	96
47) Dimethylphthalate	14.021	163	597747	31.076	ng/ul	100
48) 2,6-Dinitrotoluene	14.133	165	117714	42.850	ng/ul#	88
50) Acenaphthylene	14.285	152	731310	32.515	ng/ul	98
51) 3-Nitroaniline	14.462	138	93671	29.927	ng/ul	97
52) Acenaphthene	14.626	153	526670	31.289	ng/ul	99
53) 2,4-Dinitrophenol	14.667	184	69240	39.958	ng/ul	94
55) 4-Nitrophenol	14.773	109	85381	32.865	ng/ul	96
56) Dibenzofuran	14.961	168	739141	31.216	ng/ul	99
57) 2,4-Dinitrotoluene	14.920	165	165198	39.504	ng/ul	99
58) 2,3,4,6-Tetrachlorophenol	15.190	232	164869	34.860	ng/ul#	97
59) Diethylphthalate	15.384	149	569856	29.686	ng/ul	97
61) Fluorene	15.613	166	560677	30.042	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.607	204	289143	30.149	ng/ul	100
63) 4-Nitroaniline	15.625	138	98403	30.077	ng/ul	96
66) 4,6-Dinitro-2-methylph...	15.684	198	102494	38.592	ng/ul#	96
67) N-Nitrosodiphenylamine	15.819	169	491254	32.666	ng/ul	98
68) 4-Bromophenyl-phenylether	16.500	248	197511	33.925	ng/ul	94
69) Hexachlorobenzene	16.612	284	223063	32.886	ng/ul	98
70) Atrazine	16.764	200	154272	24.602	ng/ul	99
71) Pentachlorophenol	16.952	266	144473	36.499	ng/ul	96
72) Phenanthrene	17.346	178	917431	31.473	ng/ul	99
74) Anthracene	17.440	178	835763	27.989	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.363	216	268868	36.256	ng/ul	99
76) Pentachlorobenzene	14.885	250	255457	32.839	ng/ul	96
77) Carbazole	17.704	167	788485	31.435	ng/ul	99
78) Di-n-butylphthalate	18.274	149	986376	32.872	ng/ul	99
80) Fluoranthene	19.355	202	1068586	35.583	ng/ul	99
82) Pyrene	19.719	202	1132127	34.977	ng/ul	99
83) Butylbenzylphthalate	20.606	149	426201	39.091	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.446	252	28438m	2.839	ng/ul	
85) Benzo(a)anthracene	21.529	228	1062588	31.895	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.452	149	588896	36.969	ng/ul	99
87) Chrysene	21.593	228	1015500	32.152	ng/ul	98
89) Di-n-octyl phthalate	22.621	149	1034990	36.984	ng/ul	100
90) Benzo(b)fluoranthene	23.655	252	1070726	33.778	ng/ul	99
91) Benzo(k)fluoranthene	23.720	252	1032384	32.266	ng/ul	99
93) Benzo(a)pyrene	24.489	252	935259	31.297	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	28.114	276	1309929	34.488	ng/ul	98
95) Dibenzo(a,h)anthracene	28.172	278	1069490	34.739	ng/ul	98
96) Benzo(g,h,i)perylene	29.201	276	1006300	34.450	ng/ul	97

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

