

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121324\
 Data File : BG063673.D
 Acq On : 13 Dec 2024 11:37
 Operator : RC/JU
 Sample : P5153-18MS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

E28Q4MS

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/14/2024

Supervised By :mohammad ahmed 12/14/2024

Quant Time: Dec 14 01:22:29 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Wed Dec 11 23:59:23 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.809	152	244187	20.000	ng/ul	0.00
20) Naphthalene-d8	10.600	136	934921	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.449	164	593865	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.204	188	1203473	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.464	240	1067964	20.000	ng/ul	# 0.00
88) Perylene-d12	24.525	264	854714	20.000	ng/ul	0.04
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.291	96	27341	4.388	ng/uL	0.02
4) Pyridine-d5	3.702	84	377634	19.211	ng/ul	0.02
7) Phenol-d5	6.998	99	516528	22.968	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.140	67	368685	23.736	ng/ul	0.00
11) 2-Chlorophenol-d4	7.351	132	372108	25.557	ng/ul	0.00
15) 4-Methylphenol-d8	8.532	113	306717	17.566	ng/ul	0.00
21) Nitrobenzene-d5	8.967	128	176936	26.506	ng/ul	0.00
24) 2-Nitrophenol-d4	9.684	143	174878	23.371	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.236	165	374182	25.828	ng/ul	0.00
31) 4-Chloroaniline-d4	10.741	131	51204	2.784	ng/ul	0.00
46) Dimethylphthalate-d6	13.855	166	1082412	26.786	ng/ul	0.00
49) Acenaphthylene-d8	14.137	160	882020	19.147	ng/ul	0.00
54) 4-Nitrophenol-d4	14.684	143	87508	15.284	ng/ul	0.00
60) Fluorene-d10	15.447	176	918754	25.715	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.577	200	7023m	1.124	ng/ul	0.00
73) Anthracene-d10	17.298	188	1225424m	23.684	ng/ul	0.00
81) Pyrene-d10	19.607	212	1418653	25.527	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.314	264	902389	22.482	ng/ul	0.04
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.320	88	93092m	12.624	ng/uL	
5) Pyridine	3.720	79	563263	26.753	ng/ul	97
6) Benzaldehyde	6.952	77	141998	10.293	ng/ul	92
8) Phenol	7.028	94	823594	34.362	ng/ul	97
10) Bis(2-Chloroethyl)ether	7.239	93	595181	32.456	ng/ul	98
12) 2-Chlorophenol	7.386	128	529475	35.926	ng/ul	98
13) 2-Methylphenol	8.268	108	544614	31.438	ng/ul	98
14) 2,2'-oxybis(1-Chloropr...	8.326	45	882586	32.419	ng/ul	97
16) Acetophenone	8.632	105	935470	31.587	ng/ul	93
17) N-Nitroso-di-n-propyla...	8.614	70	522376	29.561	ng/ul	97
18) 4-Methylphenol	8.597	108	616869	32.536	ng/ul	96
19) Hexachloroethane	8.885	117	218807	30.215	ng/ul	96
22) Nitrobenzene	9.008	77	726616	32.596	ng/ul	94
23) Isophorone	9.531	82	1353442	32.134	ng/ul	99
25) 2-Nitrophenol	9.719	139	238315	30.990	ng/ul	90
26) 2,4-Dimethylphenol	9.789	107	514140	29.463	ng/ul	98
27) Bis(2-Chloroethoxy)met...	10.013	93	783108	34.376	ng/ul#	95
29) 2,4-Dichlorophenol	10.259	162	521047	36.196	ng/ul	98
30) Naphthalene	10.647	128	1728144	36.971	ng/ul	98
32) 4-Chloroaniline	10.771	127	118844m	6.790	ng/ul	
33) Hexachlorobutadiene	10.935	225	398698	34.092	ng/ul	99
34) Caprolactam	11.540	113	139811	28.097	ng/ul	89
35) 4-Chloro-3-methylphenol	11.905	107	598060m	35.388	ng/ul	
36) 2-Methylnaphthalene	12.263	142	1242212	36.977	ng/ul	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.486	142	1150737	33.628	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.633	216	677766	35.651	ng/ul#	98
40) Hexachlorocyclopentadiene	12.615	237	134905	17.950	ng/ul	93
41) 2,4,6-Trichlorophenol	12.886	196	440417	40.988	ng/ul	94
42) 2,4,5-Trichlorophenol	12.968	196	447348	39.893	ng/ul	96
43) 1,1'-Biphenyl	13.279	154	1515685	38.701	ng/ul	96
44) 2-Chloronaphthalene	13.320	162	1211711	38.528	ng/ul	98
45) 2-Nitroaniline	13.532	65	346172	32.861	ng/ul	92
47) Dimethylphthalate	13.902	163	1422037	35.113	ng/ul	99
48) 2,6-Dinitrotoluene	14.026	165	196534	26.130	ng/ul	96
50) Acenaphthylene	14.167	152	1297742	26.274	ng/ul	100
51) 3-Nitroaniline	14.360	138	54674	7.862	ng/ul#	85
52) Acenaphthene	14.513	153	1250500	35.719	ng/ul	99
53) 2,4-Dinitrophenol	14.584	184	4408	1.147	ng/ul#	62
55) 4-Nitrophenol	14.695	109	178844	30.082	ng/ul	90
56) Dibenzofuran	14.848	168	1800880	36.487	ng/ul	99
57) 2,4-Dinitrotoluene	14.825	165	189314	16.939	ng/ul#	99
58) 2,3,4,6-Tetrachlorophenol	15.089	232	366184	37.883	ng/ul	98
59) Diethylphthalate	15.271	149	1372271	35.050	ng/ul	98
61) Fluorene	15.500	166	1355485	34.393	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.494	204	740173	33.711	ng/ul	99
63) 4-Nitroaniline	15.524	138	94624m	13.592	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.594	198	16108	2.502	ng/ul#	1
67) N-Nitrosodiphenylamine	15.712	169	1163639	39.929	ng/ul	98
68) 4-Bromophenyl-phenylether	16.387	248	478547	39.017	ng/ul	95
69) Hexachlorobenzene	16.511	284	522686	38.037	ng/ul	95
70) Atrazine	16.670	200	454729	36.913	ng/ul	98
71) Pentachlorophenol	16.863	266	252478	43.577	ng/ul	99
72) Phenanthrene	17.245	178	2389898	41.209	ng/ul	97
74) Anthracene	17.339	178	1972093	33.597	ng/ul	97
75) 1,2,3,4-Tetrachloroben...	13.244	216	702965	43.780	ng/ul	98
76) Pentachlorobenzene	14.778	250	639091	40.176	ng/ul	99
77) Carbazole	17.610	167	1903029	40.051	ng/ul	99
78) Di-n-butylphthalate	18.168	149	2199079	38.323	ng/ul	98
80) Fluoranthene	19.272	202	2554565	40.443	ng/ul	99
82) Pyrene	19.637	202	2636371	39.230	ng/ul	97
83) Butylbenzylphthalate	20.530	149	908335	44.031	ng/ul	85
85) Benzo(a)anthracene	21.446	228	2430011	36.307	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.358	149	1310058	43.655	ng/ul	97
87) Chrysene	21.511	228	2495077m	39.113	ng/ul	
89) Di-n-octyl phthalate	22.504	149	2209603	59.895	ng/ul	100
90) Benzo(b)fluoranthene	23.556	252	2164597	44.559	ng/ul#	92
91) Benzo(k)fluoranthene	23.620	252	2485530	51.294	ng/ul#	92
93) Benzo(a)pyrene	24.384	252	1855863m	40.702	ng/ul	
94) Indeno(1,2,3-cd)pyrene	27.968	276	2141828m	38.463	ng/ul	
95) Dibenzo(a,h)anthracene	28.009	278	1736306m	38.969	ng/ul	
96) Benzo(g,h,i)perylene	29.032	276	1565575m	35.431	ng/ul	

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

