

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122324\
 Data File : BG063789.D
 Acq On : 23 Dec 2024 18:14
 Operator : RC/JU
 Sample : P5302-05MSD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

E2AR6MSD

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/24/2024

Supervised By :mohammad ahmed 12/26/2024

Quant Time: Dec 24 00:32:48 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	7.795	152	103603	20.000	ng/u1	-0.02
20) Naphthalene-d8	10.586	136	434789	20.000	ng/u1	-0.02
38) Acenaphthene-d10	14.441	164	353680	20.000	ng/u1	-0.01
64) Phenanthrene-d10	17.190	188	874476	20.000	ng/u1	-0.02
79) Chrysene-d12	21.438	240	945753	20.000	ng/u1	-0.02
88) Perylene-d12	24.452	264	978374	20.000	ng/u1	-0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.265	96	12191m	4.611	ng/uL	-0.01
4) Pyridine-d5	3.665	84	182608	21.896	ng/u1	-0.02
7) Phenol-d5	6.985	99	230827	24.191	ng/u1	-0.01
9) Bis-(2-Chloroethyl)eth...	7.131	67	149149	22.632	ng/u1	-0.02
11) 2-Chlorophenol-d4	7.337	132	145725	23.590	ng/u1	-0.01
15) 4-Methylphenol-d8	8.518	113	175158	23.644	ng/u1	-0.01
21) Nitrobenzene-d5	8.953	128	77976	25.118	ng/u1	-0.02
24) 2-Nitrophenol-d4	9.676	143	91108	26.181	ng/u1	-0.02
28) 2,4-Dichlorophenol-d3	10.216	165	182237	27.048	ng/u1	-0.02
31) 4-Chloroaniline-d4	10.727	131	196887	23.015	ng/u1	-0.02
46) Dimethylphthalate-d6	13.847	166	612621	25.456	ng/u1	-0.01
49) Acenaphthylene-d8	14.129	160	675991	24.640	ng/u1	-0.02
54) 4-Nitrophenol-d4	14.670	143	86371	25.330	ng/u1	0.00
60) Fluorene-d10	15.434	176	530389	24.926	ng/u1	-0.02
65) 4,6-Dinitro-2-methylph...	15.575	200	104614	23.041	ng/u1	0.00
73) Anthracene-d10	17.290	188	959281	25.515	ng/u1	-0.02
81) Pyrene-d10	19.587	212	1091828	22.185	ng/u1	-0.02
92) Benzo(a)pyrene-d12	24.247	264	979280	21.314	ng/u1	-0.03
Target Compounds					Qvalue	
2) 1,4-Dioxane	3.295	88	36979	11.819	ng/uL	92
5) Pyridine	3.683	79	275135	30.800	ng/u1	90
6) Benzaldehyde	6.943	77	27588	4.714	ng/u1	92
8) Phenol	7.014	94	353058	34.719	ng/u1	95
10) Bis(2-Chloroethyl)ether	7.225	93	242567	31.176	ng/u1	94
12) 2-Chlorophenol	7.367	128	207445	33.175	ng/u1	96
13) 2-Methylphenol	8.254	108	240591	32.734	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.312	45	360864	31.242	ng/u1	97
16) Acetophenone	8.618	105	398016	31.676	ng/u1	94
17) N-Nitroso-di-n-propyla...	8.600	70	233413	31.132	ng/u1	90
18) 4-Methylphenol	8.577	108	272271	33.847	ng/u1	97
19) Hexachloroethane	8.871	117	89818	29.233	ng/u1	95
22) Nitrobenzene	8.994	77	334901	32.305	ng/u1	98
23) Isophorone	9.517	82	643808	32.869	ng/u1	98
25) 2-Nitrophenol	9.705	139	125476	35.085	ng/u1	89
26) 2,4-Dimethylphenol	9.775	107	273623	33.717	ng/u1	98
27) Bis(2-Chloroethoxy)met...	9.999	93	354464	33.458	ng/u1	95
29) 2,4-Dichlorophenol	10.245	162	238510	35.628	ng/u1	95
30) Naphthalene	10.639	128	718300	33.043	ng/u1	98
32) 4-Chloroaniline	10.751	127	184458	22.663	ng/u1	96
33) Hexachlorobutadiene	10.921	225	167118	30.727	ng/u1	97
34) Caprolactam	11.503	113	90904m	39.282	ng/u1	
35) 4-Chloro-3-methylphenol	11.891	107	282586	35.955	ng/u1	98
36) 2-Methylnaphthalene	12.249	142	534978	34.242	ng/u1	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.472	142	528155	33.188	ng/ul	96
39) 1,2,4,5-Tetrachloroben...	12.625	216	326693	28.854	ng/ul	98
40) Hexachlorocyclopentadiene	12.602	237	78342	17.503	ng/ul	97
41) 2,4,6-Trichlorophenol	12.872	196	207857	32.481	ng/ul	93
42) 2,4,5-Trichlorophenol	12.954	196	221001	33.092	ng/ul	92
43) 1,1'-Biphenyl	13.265	154	739962	31.725	ng/ul	96
44) 2-Chloronaphthalene	13.312	162	591399	31.575	ng/ul	96
45) 2-Nitroaniline	13.518	65	217315	34.638	ng/ul	96
47) Dimethylphthalate	13.894	163	799394	33.143	ng/ul	98
48) 2,6-Dinitrotoluene	14.018	165	163475	36.494	ng/ul	98
50) Acenaphthylene	14.159	152	978191	33.253	ng/ul	97
51) 3-Nitroaniline	14.352	138	159203	38.440	ng/ul	90
52) Acenaphthene	14.505	153	685154	32.861	ng/ul	95
53) 2,4-Dinitrophenol	14.570	184	83285m	36.381	ng/ul	
55) 4-Nitrophenol	14.687	109	115588	32.645	ng/ul	93
56) Dibenzofuran	14.840	168	1001862	34.083	ng/ul	98
57) 2,4-Dinitrotoluene	14.817	165	249811	37.531	ng/ul#	96
58) 2,3,4,6-Tetrachlorophenol	15.075	232	200842	34.888	ng/ul	92
59) Diethylphthalate	15.263	149	826920	35.464	ng/ul	99
61) Fluorene	15.492	166	818221	34.860	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.481	204	428277	32.752	ng/ul	97
63) 4-Nitroaniline	15.516	138	187010	45.104	ng/ul	97
66) 4,6-Dinitro-2-methylph...	15.586	198	167866	35.888	ng/ul	90
67) N-Nitrosodiphenylamine	15.698	169	721183	34.057	ng/ul	96
68) 4-Bromophenyl-phenylether	16.379	248	294001	32.989	ng/ul	94
69) Hexachlorobenzene	16.503	284	332224	33.272	ng/ul	97
70) Atrazine	16.656	200	309728	34.601	ng/ul	97
71) Pentachlorophenol	16.855	266	136236	32.360	ng/ul	97
72) Phenanthrene	17.231	178	1525785	36.207	ng/ul	99
74) Anthracene	17.325	178	1529237	35.854	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.236	216	330906	28.362	ng/ul	96
76) Pentachlorobenzene	14.764	250	347882	30.097	ng/ul	99
77) Carbazole	17.596	167	1361262	39.428	ng/ul	98
78) Di-n-butylphthalate	18.154	149	1580508	37.905	ng/ul	98
80) Fluoranthene	19.253	202	1923773	34.392	ng/ul	96
82) Pyrene	19.617	202	2031361	34.133	ng/ul#	95
83) Butylbenzylphthalate	20.510	149	687783	37.648	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.344	252	521052	30.519	ng/ul	96
85) Benzo(a)anthracene	21.421	228	1974649	33.316	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.332	149	1016809	38.262	ng/ul	100
87) Chrysene	21.485	228	1865129	33.016	ng/ul	98
89) Di-n-octyl phthalate	22.466	149	1736510	41.122	ng/ul	100
90) Benzo(b)fluoranthene	23.501	252	1904761	34.254	ng/ul	99
91) Benzo(k)fluoranthene	23.565	252	1953336	35.216	ng/ul	99
93) Benzo(a)pyrene	24.311	252	1785885	34.216	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	27.854	276	2231256	35.005	ng/ul	98
95) Dibenzo(a,h)anthracene	27.901	278	1826045	35.803	ng/ul	95
96) Benzo(g,h,i)perylene	28.918	276	1740545	34.412	ng/ul	98

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

