

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121624\
 Data File : BG063689.D
 Acq On : 16 Dec 2024 14:58
 Operator : RC/JU
 Sample : P5153-18MS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E28Q4MS

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/18/2024
 Supervised By :mohammad ahmed 12/18/2024

Quant Time: Dec 17 04:26:48 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	7.812	152	196903	20.000	ng/u1	0.00
20) Naphthalene-d8	10.603	136	756601	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.451	164	490449	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.207	188	992475	20.000	ng/u1	0.00
79) Chrysene-d12	21.466	240	862630	20.000	ng/u1	# 0.00
88) Perylene-d12	24.533	264	747426m	20.000	ng/u1	0.05
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.276	96	23946m	4.766	ng/uL	0.00
4) Pyridine-d5	3.687	84	396348	25.005	ng/u1	0.00
7) Phenol-d5	7.007	99	490101	27.026	ng/u1	0.01
9) Bis-(2-Chloroethyl)eth...	7.142	67	330845	26.415	ng/u1	0.00
11) 2-Chlorophenol-d4	7.354	132	343730	29.277	ng/u1	0.00
15) 4-Methylphenol-d8	8.535	113	290347	20.622	ng/u1	0.00
21) Nitrobenzene-d5	8.969	128	170271	31.519	ng/u1	0.00
24) 2-Nitrophenol-d4	9.686	143	168553	27.834	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.238	165	356898	30.441	ng/u1	0.00
31) 4-Chloroaniline-d4	10.744	131	57495m	3.862	ng/u1	0.00
46) Dimethylphthalate-d6	13.858	166	1017499	30.489	ng/u1	0.00
49) Acenaphthylene-d8	14.146	160	850799	22.364	ng/u1	0.00
54) 4-Nitrophenol-d4	14.692	143	85738	18.132	ng/u1	0.02
60) Fluorene-d10	15.450	176	861255	29.189	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	0.000	200	0d	0.000	ng/u1	
73) Anthracene-d10	17.307	188	1103929	25.871	ng/u1	0.00
81) Pyrene-d10	19.610	212	1290853	28.757	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.316	264	869668m	24.777	ng/u1	0.04
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.311	88	71780	12.071	ng/uL#	75
5) Pyridine	3.711	79	591589	34.845	ng/u1	96
6) Benzaldehyde	6.954	77	126784	11.398	ng/u1	97
8) Phenol	7.030	94	769930	39.837	ng/u1	97
10) Bis(2-Chloroethyl)ether	7.236	93	528077	35.712	ng/u1	98
12) 2-Chlorophenol	7.389	128	489833	41.218	ng/u1	99
13) 2-Methylphenol	8.270	108	523373	37.467	ng/u1	98
14) 2,2'-oxybis(1-Chloropr...	8.329	45	827507	37.695	ng/u1	99
16) Acetophenone	8.634	105	854103	35.765	ng/u1	94
17) N-Nitroso-di-n-propyla...	8.617	70	484907	34.030	ng/u1	93
18) 4-Methylphenol	8.599	108	572771	37.465	ng/u1	97
19) Hexachloroethane	8.887	117	202289	34.642	ng/u1	93
22) Nitrobenzene	9.010	77	670747	37.182	ng/u1	97
23) Isophorone	9.533	82	1241384	36.420	ng/u1	99
25) 2-Nitrophenol	9.721	139	228554	36.725	ng/u1	90
26) 2,4-Dimethylphenol	9.792	107	490125	34.707	ng/u1	99
27) Bis(2-Chloroethoxy)met...	10.015	93	721447	39.133	ng/u1#	92
29) 2,4-Dichlorophenol	10.262	162	493998	42.405	ng/u1	97
30) Naphthalene	10.656	128	1653672	43.716	ng/u1	98
32) 4-Chloroaniline	10.773	127	124959m	8.822	ng/u1	
33) Hexachlorobutadiene	10.938	225	362162	38.266	ng/u1	97
34) Caprolactam	11.555	113	140830	34.972	ng/u1	95
35) 4-Chloro-3-methylphenol	11.913	107	571216m	41.765	ng/u1	
36) 2-Methylnaphthalene	12.265	142	1182121	43.481	ng/u1	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.489	142	1106131	39.943	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.642	216	639674	40.742	ng/ul	99
40) Hexachlorocyclopentadiene	12.612	237	41987	6.765	ng/ul	92
41) 2,4,6-Trichlorophenol	12.888	196	389371	43.878	ng/ul	91
42) 2,4,5-Trichlorophenol	12.971	196	415484	44.864	ng/ul	98
43) 1,1'-Biphenyl	13.282	154	1479820	45.752	ng/ul	95
44) 2-Chloronaphthalene	13.323	162	1157614	44.570	ng/ul	98
45) 2-Nitroaniline	13.535	65	375380	43.147	ng/ul	93
47) Dimethylphthalate	13.911	163	1316093	39.349	ng/ul	99
48) 2,6-Dinitrotoluene	14.034	165	182299	29.348	ng/ul	95
50) Acenaphthylene	14.175	152	1230938	30.176	ng/ul	98
51) 3-Nitroaniline	14.363	138	48795	8.496	ng/ul#	96
52) Acenaphthene	14.516	153	1222865	42.295	ng/ul	98
55) 4-Nitrophenol	14.704	109	165598	33.727	ng/ul	88
56) Dibenzofuran	14.851	168	1741858	42.733	ng/ul	99
57) 2,4-Dinitrotoluene	14.827	165	189972	20.582	ng/ul	100
58) 2,3,4,6-Tetrachlorophenol	15.092	232	360921	45.211	ng/ul	94
59) Diethylphthalate	15.274	149	1315244	40.677	ng/ul	97
61) Fluorene	15.503	166	1306240	40.132	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.497	204	704041	38.826	ng/ul	99
63) 4-Nitroaniline	15.526	138	80868	14.065	ng/ul#	86
66) 4,6-Dinitro-2-methylph...	15.597	198	9211	1.735	ng/ul#	1
67) N-Nitrosodiphenylamine	15.714	169	1104970	45.977	ng/ul	97
68) 4-Bromophenyl-phenylether	16.390	248	442995	43.797	ng/ul	94
69) Hexachlorobenzene	16.519	284	481713	42.508	ng/ul	97
70) Atrazine	16.678	200	422512	41.589	ng/ul	95
71) Pentachlorophenol	16.872	266	254939	53.357	ng/ul	97
72) Phenanthrene	17.248	178	2213389	46.279	ng/ul	98
74) Anthracene	17.342	178	1853597	38.291	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.253	216	660586	49.887	ng/ul	99
76) Pentachlorobenzene	14.780	250	602268	45.910	ng/ul	100
77) Carbazole	17.612	167	1744540	44.521	ng/ul	99
78) Di-n-butylphthalate	18.176	149	2065133	43.640	ng/ul	98
80) Fluoranthene	19.275	202	2365170	46.357	ng/ul	99
82) Pyrene	19.639	202	2423862	44.653	ng/ul	96
83) Butylbenzylphthalate	20.532	149	871341	52.291	ng/ul	88
85) Benzo(a)anthracene	21.449	228	2196653	40.632	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.361	149	1251110	51.615	ng/ul	97
87) Chrysene	21.513	228	2231919m	43.316	ng/ul	
89) Di-n-octyl phthalate	22.506	149	2108237m	65.350	ng/ul	
90) Benzo(b)fluoranthene	23.564	252	2137641m	50.321	ng/ul	
91) Benzo(k)fluoranthene	23.623	252	2164231m	51.075	ng/ul	
93) Benzo(a)pyrene	24.387	252	1743148m	43.717	ng/ul	
94) Indeno(1,2,3-cd)pyrene	27.982	276	2042475m	41.944	ng/ul	
95) Dibenzo(a,h)anthracene	28.029	278	1597468m	40.999	ng/ul	
96) Benzo(g,h,i)perylene	29.052	276	1536123m	39.754	ng/ul	

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

