

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122624\
 Data File : BG063903.D
 Acq On : 28 Dec 2024 14:06
 Operator : RC/JU
 Sample : P5326-03MSD 10X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 YE680MSD

Quant Time: Dec 30 00:51:36 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 24 00:44:39 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/30/2024
 Supervised By :mohammad ahmed 12/30/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.800	152	101531	20.000	ng/ul	0.00
20) Naphthalene-d8	10.590	136	421609	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.445	164	291972	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.200	188	708080	20.000	ng/ul	0.01
79) Chrysene-d12	21.454	240	714475	20.000	ng/ul	0.02
88) Perylene-d12	24.474	264	711128	20.000	ng/ul	0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.264	96	7963	3.073	ng/uL	0.00
4) Pyridine-d5	3.669	84	89282	10.924	ng/ul	0.00
7) Phenol-d5	6.989	99	95256	10.187	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.130	67	243151	37.649	ng/ul	0.00
11) 2-Chlorophenol-d4	7.335	132	205681	33.975	ng/ul	0.00
15) 4-Methylphenol-d8	8.516	113	170797	23.526	ng/ul	0.00
21) Nitrobenzene-d5	8.951	128	130311	43.288	ng/ul	0.00
24) 2-Nitrophenol-d4	9.680	143	143480	42.520	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.220	165	267307	40.915	ng/ul	0.00
31) 4-Chloroaniline-d4	10.731	131	232302	28.004	ng/ul	0.00
46) Dimethylphthalate-d6	13.851	166	870915	43.836	ng/ul	0.00
49) Acenaphthylene-d8	14.133	160	971436	42.893	ng/ul	0.00
54) 4-Nitrophenol-d4	14.680	143	31125	11.057	ng/ul	0.01
60) Fluorene-d10	15.443	176	756404	43.061	ng/ul	0.01
65) 4,6-Dinitro-2-methylph...	15.579	200	165567	45.035	ng/ul	0.01
73) Anthracene-d10	17.300	188	1375607	45.186	ng/ul	0.01
81) Pyrene-d10	19.597	212	1633283	43.930	ng/ul	0.01
92) Benzo(a)pyrene-d12	24.274	264	1604717	48.053	ng/ul	0.03
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.299	88	20484	6.681	ng/uL#	1
5) Pyridine	3.693	79	91770	10.483	ng/ul	92
6) Benzaldehyde	6.942	77	176015	30.687	ng/ul	95
8) Phenol	7.012	94	108487	10.886	ng/ul	98
10) Bis(2-Chloroethyl)ether	7.224	93	289328	37.945	ng/ul	96
12) 2-Chlorophenol	7.371	128	215374	35.146	ng/ul	98
13) 2-Methylphenol	8.252	108	208215	28.907	ng/ul	98
14) 2,2'-oxybis(1-Chloropr...	8.317	45	420138	37.116	ng/ul	98
16) Acetophenone	8.616	105	486857	39.537	ng/ul	97
17) N-Nitroso-di-n-propyla...	8.599	70	271408	36.939	ng/ul	92
18) 4-Methylphenol	8.581	108	196169	24.884	ng/ul	98
19) Hexachloroethane	8.869	117	79484	26.398	ng/ul	96
22) Nitrobenzene	8.998	77	400337	39.825	ng/ul	96
23) Isophorone	9.515	82	738180	38.865	ng/ul	98
25) 2-Nitrophenol	9.709	139	151071	43.562	ng/ul	88
26) 2,4-Dimethylphenol	9.780	107	282062	35.843	ng/ul	97
27) Bis(2-Chloroethoxy)met...	10.003	93	423485	41.222	ng/ul	96
29) 2,4-Dichlorophenol	10.250	162	269593	41.530	ng/ul	99
30) Naphthalene	10.637	128	795063	37.718	ng/ul	99
32) 4-Chloroaniline	10.749	127	151873	19.242	ng/ul	95
33) Hexachlorobutadiene	10.925	225	159649	30.272	ng/ul	98
34) Caprolactam	11.519	113	16334m	7.279	ng/ul	
35) 4-Chloro-3-methylphenol	11.895	107	290388	38.102	ng/ul	98
36) 2-Methylnaphthalene	12.253	142	588439	38.842	ng/ul	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.476	142	592319	38.383	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.629	216	371692	39.767	ng/ul	97
40) Hexachlorocyclopentadiene	12.606	237	56421	15.270	ng/ul#	97
41) 2,4,6-Trichlorophenol	12.876	196	235507	44.580	ng/ul	96
42) 2,4,5-Trichlorophenol	12.958	196	240121	43.554	ng/ul	95
43) 1,1'-Biphenyl	13.270	154	824933	42.842	ng/ul	98
44) 2-Chloronaphthalene	13.311	162	663042	42.881	ng/ul	98
45) 2-Nitroaniline	13.522	65	253304	48.908	ng/ul	95
47) Dimethylphthalate	13.898	163	878064	44.098	ng/ul	99
48) 2,6-Dinitrotoluene	14.022	165	189622	51.278	ng/ul	95
50) Acenaphthylene	14.163	152	1051870	43.315	ng/ul	99
51) 3-Nitroaniline	14.357	138	171371	50.124	ng/ul	90
52) Acenaphthene	14.509	153	746077	43.346	ng/ul	98
53) 2,4-Dinitrophenol	14.580	184	83294m	44.075	ng/ul	
55) 4-Nitrophenol	14.691	109	27468	9.397	ng/ul	92
56) Dibenzofuran	14.844	168	1080568	44.530	ng/ul	96
57) 2,4-Dinitrotoluene	14.821	165	279401	50.848	ng/ul#	91
58) 2,3,4,6-Tetrachlorophenol	15.085	232	215942	45.438	ng/ul	94
59) Diethylphthalate	15.267	149	899946	46.753	ng/ul	97
61) Fluorene	15.496	166	856866	44.222	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.490	204	451045	41.783	ng/ul	96
63) 4-Nitroaniline	15.526	138	196334	57.360	ng/ul	89
66) 4,6-Dinitro-2-methylph...	15.596	198	170978	45.143	ng/ul	93
67) N-Nitrosodiphenylamine	15.708	169	755676	44.072	ng/ul	98
68) 4-Bromophenyl-phenylether	16.384	248	313794	43.484	ng/ul	95
69) Hexachlorobenzene	16.513	284	355229	43.937	ng/ul	96
70) Atrazine	16.660	200	326252	45.012	ng/ul	98
71) Pentachlorophenol	16.859	266	139723m	40.988	ng/ul	
72) Phenanthrene	17.241	178	1614268	47.309	ng/ul	99
74) Anthracene	17.335	178	1617733	46.841	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.240	216	372784	39.459	ng/ul	99
76) Pentachlorobenzene	14.768	250	388461	41.506	ng/ul	98
77) Carbazole	17.606	167	1441868	51.576	ng/ul	98
78) Di-n-butylphthalate	18.164	149	1729000	51.211	ng/ul	99
80) Fluoranthene	19.263	202	1978454	46.818	ng/ul	97
82) Pyrene	19.627	202	2083175	46.335	ng/ul#	93
83) Butylbenzylphthalate	20.520	149	757507	54.887	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.354	252	582175	45.138	ng/ul	94
85) Benzo(a)anthracene	21.436	228	2002421	44.720	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.342	149	1108883	55.234	ng/ul	96
87) Chrysene	21.495	228	1903650	44.606	ng/ul	97
89) Di-n-octyl phthalate	22.482	149	1872660	61.011	ng/ul	100
90) Benzo(b)fluoranthene	23.522	252	1934990	47.875	ng/ul	99
91) Benzo(k)fluoranthene	23.587	252	1968580	48.829	ng/ul	99
93) Benzo(a)pyrene	24.339	252	1781419	46.957	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	27.894	276	2302105	49.689	ng/ul	97
95) Dibenzo(a,h)anthracene	27.941	278	1860158	50.178	ng/ul	98
96) Benzo(g,h,i)perylene	28.957	276	1783188	48.504	ng/ul	96

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

