

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091024\
 Data File : BG062698.D
 Acq On : 10 Sep 2024 11:48
 Operator : JU/RC
 Sample : P3391-01
 Misc : MDL-WATER-Q3-01
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-WATER-QT3-2024-05

Quant Time: Sep 10 23:41:03 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG090924.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Sep 10 01:28:17 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/12/2024
 Supervised By :mohammad ahmed 09/13/2024

Supervised By :mohammad
 ahmed
 09/13/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.902	152	56211	20.000	ng/u1	0.00
20) Naphthalene-d8	10.693	136	234190	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.530	164	192496	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.280	188	517385	20.000	ng/u1	0.00
79) Chrysene-d12	21.522	240	611913	20.000	ng/u1	0.00
88) Perylene-d12	24.589	264	657631	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.355	96	5467	4.397	ng/uL	0.00
4) Pyridine-d5	3.766	84	80994	20.462	ng/u1	0.00
7) Phenol-d5	7.062	99	96929	19.665	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.227	67	62567	21.172	ng/u1	0.00
11) 2-Chlorophenol-d4	7.432	132	72985	20.328	ng/u1	0.00
15) 4-Methylphenol-d8	8.596	113	79544	19.365	ng/u1	-0.01
21) Nitrobenzene-d5	9.054	128	37082	22.155	ng/u1	0.00
24) 2-Nitrophenol-d4	9.777	143	40088	21.900	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.311	165	80674	20.237	ng/u1	0.00
31) 4-Chloroaniline-d4	10.823	131	113744	20.757	ng/u1	0.00
46) Dimethylphthalate-d6	13.937	166	305630	20.618	ng/u1	0.00
49) Acenaphthylene-d8	14.224	160	333834	20.278	ng/u1	0.00
54) 4-Nitrophenol-d4	14.724	143	47580	18.895	ng/u1	0.00
60) Fluorene-d10	15.523	176	279333	20.912	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.640	200	49707	16.702	ng/u1	0.00
73) Anthracene-d10	17.374	188	484734	19.852	ng/u1	0.00
81) Pyrene-d10	19.665	212	687140	19.955	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.377	264	685745	19.748	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.390	88	1691m	1.213	ng/uL	
5) Pyridine	3.784	79	12962	3.122	ng/u1#	51
6) Benzaldehyde	7.039	77	11115	4.101	ng/u1	92
8) Phenol	7.086	94	15704	3.065	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.321	93	13164	3.399	ng/u1	97
12) 2-Chlorophenol	7.468	128	12782	3.482	ng/u1#	87
13) 2-Methylphenol	8.343	108	11546	3.005	ng/u1	93
14) 2,2'-oxybis(1-Chloropr...	8.425	45	23566	3.380	ng/u1#	93
16) Acetophenone	8.719	105	21043	3.152	ng/u1	93
17) N-Nitroso-di-n-propyla...	8.701	70	11547	3.304	ng/u1#	88
18) 4-Methylphenol	8.660	108	13086	3.027	ng/u1	95
19) Hexachloroethane	8.978	117	5449	3.687	ng/u1	90
22) Nitrobenzene	9.095	77	16651	3.677	ng/u1	95
23) Isophorone	9.612	82	32369	3.497	ng/u1	97
25) 2-Nitrophenol	9.806	139	7046	3.492	ng/u1	92
26) 2,4-Dimethylphenol	9.871	107	12846	2.980	ng/u1	93
27) Bis(2-Chloroethoxy)met...	10.106	93	18744	3.623	ng/u1#	92
29) 2,4-Dichlorophenol	10.341	162	13254	3.376	ng/u1#	86
30) Naphthalene	10.746	128	44892	3.575	ng/u1#	94
32) 4-Chloroaniline	10.852	127	18325	3.363	ng/u1	97
33) Hexachlorobutadiene	11.034	225	12084	3.694	ng/u1	91
34) Caprolactam	11.610	113	4184	2.891	ng/u1	89
35) 4-Chloro-3-methylphenol	11.974	107	13559	3.166	ng/u1#	96
36) 2-Methylnaphthalene	12.356	142	31968	3.449	ng/u1	90

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
37) 1-Methylnaphthalene	12.573	142	32733	3.448	ng/ul	92	09/12/2024
39) 1,2,4,5-Tetrachloroben...	12.720	216	22122	3.343	ng/ul#	90	Supervised By :mohammad ahmed
40) Hexachlorocyclopentadiene	12.703	237	11594	3.424	ng/ul#	80	
41) 2,4,6-Trichlorophenol	12.961	196	12200	3.044	ng/ul	93	
42) 2,4,5-Trichlorophenol	13.032	196	13739	3.192	ng/ul	93	
43) 1,1'-Biphenyl	13.367	154	45333	3.349	ng/ul	99	
44) 2-Chloronaphthalene	13.408	162	37749	3.429	ng/ul	96	09/13/2024
45) 2-Nitroaniline	13.607	65	8570	2.837	ng/ul	97	
47) Dimethylphthalate	13.983	163	52372	3.431	ng/ul	99	
48) 2,6-Dinitrotoluene	14.095	165	7769	2.889	ng/ul	97	
50) Acenaphthylene	14.254	152	63543	3.656	ng/ul	98	
51) 3-Nitroaniline	14.430	138	7877	2.925	ng/ul#	94	
52) Acenaphthene	14.595	153	42049	3.415	ng/ul	96	
53) 2,4-Dinitrophenol	14.642	184	2908	1.637	ng/ul	92	
55) 4-Nitrophenol	14.736	109	6867	3.034	ng/ul	88	
56) Dibenzofuran	14.929	168	60727	3.320	ng/ul	90	
57) 2,4-Dinitrotoluene	14.888	165	12992	3.090	ng/ul#	87	
58) 2,3,4,6-Tetrachlorophenol	15.159	232	13712	3.144	ng/ul#	98	
59) Diethylphthalate	15.352	149	50557	3.357	ng/ul	97	
61) Fluorene	15.582	166	50010	3.481	ng/ul	96	
62) 4-Chlorophenyl-phenyle...	15.576	204	30056	3.566	ng/ul	98	
63) 4-Nitroaniline	15.593	138	9092	3.138	ng/ul	93	
66) 4,6-Dinitro-2-methylph...	15.652	198	8709	2.823	ng/ul#	87	
67) N-Nitrosodiphenylamine	15.787	169	43286	3.262	ng/ul	98	
68) 4-Bromophenyl-phenylether	16.469	248	19396	3.258	ng/ul	95	
69) Hexachlorobenzene	16.586	284	22973	3.380	ng/ul	98	
70) Atrazine	16.733	200	20080	3.398	ng/ul	97	
71) Pentachlorophenol	16.927	266	9455	2.325	ng/ul	91	
72) Phenanthrene	17.321	178	95767	3.559	ng/ul	100	
74) Anthracene	17.409	178	92590	3.376	ng/ul	97	
75) 1,2,3,4-Tetrachloroben...	13.325	216	21502	3.043	ng/ul	88	
76) Pentachlorobenzene	14.853	250	26440	3.377	ng/ul	95	
77) Carbazole	17.679	167	80280	3.529	ng/ul	97	
78) Di-n-butylphthalate	18.243	149	89976	3.345	ng/ul	99	
80) Fluoranthene	19.330	202	123210	3.231	ng/ul	99	
82) Pyrene	19.694	202	137954	3.360	ng/ul#	96	
83) Butylbenzylphthalate	20.588	149	37758	3.098	ng/ul	96	
84) 3,3'-Dichlorobenzidine	21.422	252	53736	4.171	ng/ul	99	
85) Benzo(a)anthracene	21.504	228	145226	3.412	ng/ul	98	
86) Bis(2-ethylhexyl)phtha...	21.428	149	57001	3.177	ng/ul	100	
87) Chrysene	21.563	228	135633	3.359	ng/ul	98	
89) Di-n-octyl phthalate	22.579	149	93636	3.061	ng/ul	100	
90) Benzo(b)fluoranthene	23.613	252	135448	3.336	ng/ul	99	
91) Benzo(k)fluoranthene	23.678	252	134386	3.232	ng/ul	98	
93) Benzo(a)pyrene	24.442	252	129102	3.371	ng/ul	95	
94) Indeno(1,2,3-cd)pyrene	28.032	276	146136	3.097	ng/ul	98	
95) Dibenzo(a,h)anthracene	28.096	278	122990	3.245	ng/ul	98	
96) Benzo(g,h,i)perylene	29.101	276	118479	3.251	ng/ul	98	

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

