

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG032125\
 Data File : BG064125.D
 Acq On : 21 Mar 2025 11:26
 Operator : RC/JU
 Sample : Q1546-02
 Misc : MDL-WATER 4 ppm
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-WATER-QT1-2025-02

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 03/24/2025
 Supervised By :Jagrut Upadhyay 03/24/2025

Quant Time: Mar 21 12:56:52 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG031425.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Mar 14 14:37:18 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.866	152	33681	20.000	ng/u1	0.00
20) Naphthalene-d8	10.645	136	151513	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.488	164	108854	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.226	188	248499	20.000	ng/u1	0.00
79) Chrysene-d12	21.456	240	239875	20.000	ng/u1	0.00
88) Perylene-d12	24.470	264	248523	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.336	96	3219m	3.826	ng/uL	0.00
4) Pyridine-d5	3.741	84	56093	23.208	ng/u1	0.00
7) Phenol-d5	7.020	99	75636	24.819	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.190	67	51531	26.834	ng/u1	0.00
11) 2-Chlorophenol-d4	7.390	132	60897	25.040	ng/u1	0.00
15) 4-Methylphenol-d8	8.553	113	61709	23.871	ng/u1	0.00
21) Nitrobenzene-d5	9.006	128	29224	25.717	ng/u1	0.00
24) 2-Nitrophenol-d4	9.728	143	32109	26.904	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.263	165	59382	24.675	ng/u1	0.00
31) 4-Chloroaniline-d4	10.774	131	89379	26.488	ng/u1	0.00
46) Dimethylphthalate-d6	13.894	166	225350	26.378	ng/u1	0.00
49) Acenaphthylene-d8	14.176	160	253651	26.699	ng/u1	0.00
54) 4-Nitrophenol-d4	14.670	143	34529	24.055	ng/u1	0.00
60) Fluorene-d10	15.475	176	202895	27.552	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.586	200	28124	20.986	ng/u1	0.00
73) Anthracene-d10	17.320	188	315860	25.347	ng/u1	0.00
81) Pyrene-d10	19.611	212	368490	27.844	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.264	264	365464	28.216	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.377	88	1529m	1.605	ng/uL	
5) Pyridine	3.759	79	10697	4.269	ng/u1#	74
6) Benzaldehyde	6.996	77	9642	5.382	ng/u1	83
8) Phenol	7.049	94	14526	4.570	ng/u1	96
10) Bis(2-Chloroethyl)ether	7.284	93	12076	5.026	ng/u1	93
12) 2-Chlorophenol	7.425	128	11791	4.785	ng/u1	98
13) 2-Methylphenol	8.295	108	10599	4.299	ng/u1	92
14) 2,2'-oxybis(1-Chloropr...	8.383	45	26565	4.718	ng/u1	97
16) Acetophenone	8.671	105	19643	4.668	ng/u1	91
17) N-Nitroso-di-n-propyla...	8.659	70	10271	4.582	ng/u1	93
18) 4-Methylphenol	8.618	108	12796	4.682	ng/u1	88
19) Hexachloroethane	8.941	117	5237	4.871	ng/u1	99
22) Nitrobenzene	9.047	77	14824	4.837	ng/u1#	95
23) Isophorone	9.570	82	26740	4.516	ng/u1	95
25) 2-Nitrophenol	9.758	139	6015	4.732	ng/u1	95
26) 2,4-Dimethylphenol	9.822	107	6908	2.405	ng/u1	88
27) Bis(2-Chloroethoxy)met...	10.057	93	15553	4.660	ng/u1#	92
29) 2,4-Dichlorophenol	10.292	162	11222	4.795	ng/u1	94
30) Naphthalene	10.698	128	40324	4.893	ng/u1#	94
32) 4-Chloroaniline	10.804	127	15352	4.710	ng/u1	96
33) Hexachlorobutadiene	10.992	225	9247	5.161	ng/u1	99
34) Caprolactam	11.538	113	4648m	5.156	ng/u1	
35) 4-Chloro-3-methylphenol	11.926	107	13495	4.588	ng/u1#	97
36) 2-Methylnaphthalene	12.302	142	28223	4.740	ng/u1	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.525	142	26958	4.457	ng/ul#	86
39) 1,2,4,5-Tetrachloroben...	12.678	216	15824	4.817	ng/ul	92
40) Hexachlorocyclopentadiene	12.660	237	8093	4.422	ng/ul	99
41) 2,4,6-Trichlorophenol	12.913	196	8174	3.936	ng/ul	95
42) 2,4,5-Trichlorophenol	12.978	196	9910	4.406	ng/ul	98
43) 1,1'-Biphenyl	13.318	154	40427	4.848	ng/ul#	98
44) 2-Chloronaphthalene	13.359	162	28797	4.588	ng/ul	98
45) 2-Nitroaniline	13.553	65	9442	4.426	ng/ul	94
47) Dimethylphthalate	13.941	163	41520	5.142	ng/ul#	96
48) 2,6-Dinitrotoluene	14.053	165	8225	5.430	ng/ul	97
50) Acenaphthylene	14.206	152	47141	4.831	ng/ul	98
51) 3-Nitroaniline	14.376	138	6523	4.265	ng/ul#	82
52) Acenaphthene	14.546	153	36662	5.103	ng/ul	97
53) 2,4-Dinitrophenol	14.587	184	2765	3.603	ng/ul#	83
55) 4-Nitrophenol	14.681	109	7461	4.583	ng/ul	97
56) Dibenzofuran	14.881	168	48284	4.808	ng/ul	89
57) 2,4-Dinitrotoluene	14.840	165	9980	4.290	ng/ul	95
58) 2,3,4,6-Tetrachlorophenol	15.104	232	9517	4.675	ng/ul	95
59) Diethylphthalate	15.304	149	41271	4.750	ng/ul	98
61) Fluorene	15.533	166	42325	5.159	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.528	204	20991	5.158	ng/ul	98
63) 4-Nitroaniline	15.539	138	6079	3.803	ng/ul	98
66) 4,6-Dinitro-2-methylph...	15.604	198	7350	5.125	ng/ul	98
67) N-Nitrosodiphenylamine	15.739	169	35383	4.864	ng/ul	94
68) 4-Bromophenyl-phenylether	16.421	248	14130	5.192	ng/ul	92
69) Hexachlorobenzene	16.532	284	15521	5.101	ng/ul	96
70) Atrazine	16.691	200	16041	5.546	ng/ul	88
71) Pentachlorophenol	16.873	266	7599	4.173	ng/ul	94
72) Phenanthrene	17.267	178	68469	4.929	ng/ul	99
74) Anthracene	17.355	178	67730	4.764	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.277	216	15506	4.490	ng/ul	90
76) Pentachlorobenzene	14.805	250	16478	4.568	ng/ul	87
77) Carbazole	17.625	167	57971	4.702	ng/ul	97
78) Di-n-butylphthalate	18.195	149	70905	4.497	ng/ul	99
80) Fluoranthene	19.276	202	77717	4.957	ng/ul#	95
82) Pyrene	19.640	202	84955	5.109	ng/ul	99
83) Butylbenzylphthalate	20.539	149	29017	4.383	ng/ul#	98
84) 3,3'-Dichlorobenzidine	21.362	252	27874	5.890	ng/ul	99
85) Benzo(a)anthracene	21.438	228	81349	4.894	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.374	149	47704	4.802	ng/ul	99
87) Chrysene	21.497	228	79089	5.005	ng/ul	99
89) Di-n-octyl phthalate	22.519	149	77734	4.775	ng/ul	100
90) Benzo(b)fluoranthene	23.512	252	76497	4.983	ng/ul	98
91) Benzo(k)fluoranthene	23.583	252	78156	4.991	ng/ul	96
93) Benzo(a)pyrene	24.329	252	73066	5.041	ng/ul	96
94) Indeno(1,2,3-cd)pyrene	27.854	276	87741	4.836	ng/ul	95
95) Dibenzo(a,h)anthracene	27.913	278	72489	5.016	ng/ul	96
96) Benzo(g,h,i)perylene	28.912	276	67422	4.793	ng/ul	97

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

