

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101623\
 Data File : BG059456.D
 Acq On : 16 Oct 2023 14:24
 Operator : MA/JU
 Sample : 03573-01
 Misc : SFAM-MDL-WATER-01
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-WATER-QT3-2023-05

Quant Time: Oct 17 03:44:35 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG101223.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 12 17:05:49 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/17/2023
 Supervised By :mohammad ahmed 10/18/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.217	152	29742	20.000	ng/ul	0.00
20) Naphthalene-d8	11.061	136	139472	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.857	164	91154	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.606	188	210056	20.000	ng/ul	0.00
79) Chrysene-d12	21.913	240	230017	20.000	ng/ul	0.00
88) Perylene-d12	25.385	264	258733	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.517	96	6367	6.713	ng/uL	0.00
4) Pyridine-d5	3.946	84	106501	41.029	ng/ul	0.00
7) Phenol-d5	7.342	99	85476	26.248	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.536	67	48466	26.114	ng/ul	0.00
11) 2-Chlorophenol-d4	7.735	132	63876	27.566	ng/ul	0.00
15) 4-Methylphenol-d8	8.911	113	61476	24.759	ng/ul	0.00
21) Nitrobenzene-d5	9.416	128	29461	25.578	ng/ul	0.00
24) 2-Nitrophenol-d4	10.139	143	32621	29.012	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.667	165	56910	24.356	ng/ul	0.00
31) 4-Chloroaniline-d4	11.208	131	90454	24.394	ng/ul	0.00
46) Dimethylphthalate-d6	14.251	166	195856	25.360	ng/ul	0.00
49) Acenaphthylene-d8	14.557	160	232387	24.956	ng/ul	0.00
54) 4-Nitrophenol-d4	15.050	143	31608	23.694	ng/ul	0.00
60) Fluorene-d10	15.844	176	182681	25.130	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.955	200	32092	25.004	ng/ul	0.00
73) Anthracene-d10	17.706	188	284246	26.320	ng/ul	0.00
81) Pyrene-d10	19.980	212	342906	24.544	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.144	264	365149	25.779	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.564	88	2515m	2.132	ng/uL	
5) Pyridine	3.975	79	14616	5.701	ng/ul#	74
6) Benzaldehyde	7.365	77	8421	5.882	ng/ul#	82
8) Phenol	7.371	94	13054	4.023	ng/ul	95
10) Bis(2-Chloroethyl)ether	7.630	93	10674	4.197	ng/ul	96
12) 2-Chlorophenol	7.765	128	10786	4.535	ng/ul#	89
13) 2-Methylphenol	8.652	108	9057	3.807	ng/ul	99
14) 2,2'-oxybis(1-Chloropr...	8.728	45	23351	4.385	ng/ul#	98
16) Acetophenone	9.063	105	14821	3.977	ng/ul#	82
17) N-Nitroso-di-n-propyla...	9.022	70	7838	4.586	ng/ul#	81
18) 4-Methylphenol	8.975	108	10213	3.961	ng/ul	86
19) Hexachloroethane	9.298	117	4107	4.484	ng/ul#	80
22) Nitrobenzene	9.463	77	11231	4.370	ng/ul#	95
23) Isophorone	9.968	82	22756	4.169	ng/ul#	90
25) 2-Nitrophenol	10.174	139	5894	4.793	ng/ul#	73
26) 2,4-Dimethylphenol	10.197	107	10381	4.032	ng/ul#	86
27) Bis(2-Chloroethoxy)met...	10.450	93	13174	3.778	ng/ul#	97
29) 2,4-Dichlorophenol	10.691	162	9813	4.358	ng/ul#	94
30) Naphthalene	11.114	128	33908	4.039	ng/ul	95
32) 4-Chloroaniline	11.231	127	13652	3.921	ng/ul	95
33) Hexachlorobutadiene	11.337	225	6302	4.231	ng/ul#	84
34) Caprolactam	12.013	113	2844m	3.576	ng/ul	
35) 4-Chloro-3-methylphenol	12.312	107	8493	3.692	ng/ul#	80
36) 2-Methylnaphthalene	12.700	142	22406	4.137	ng/ul	90

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37) 1-Methylnaphthalene	12.923	142	22251	4.034	ng/ul#	91
39) 1,2,4,5-Tetrachloroben...	13.041	216	11733	3.986	ng/ul	93
40) Hexachlorocyclopentadiene	12.994	237	9206	5.407	ng/ul#	74
41) 2,4,6-Trichlorophenol	13.288	196	7228	3.995	ng/ul	96
42) 2,4,5-Trichlorophenol	13.358	196	7012m	3.522	ng/ul	
43) 1,1'-Biphenyl	13.693	154	32553	3.993	ng/ul	93
44) 2-Chloronaphthalene	13.746	162	24566	3.939	ng/ul	92
45) 2-Nitroaniline	13.958	65	6549	3.952	ng/ul#	60
47) Dimethylphthalate	14.298	163	31011	4.006	ng/ul	97
48) 2,6-Dinitrotoluene	14.445	165	5863	4.113	ng/ul	89
50) Acenaphthylene	14.592	152	40538	4.119	ng/ul	95
51) 3-Nitroaniline	14.786	138	5607	3.711	ng/ul#	89
52) Acenaphthene	14.921	153	27291	4.053	ng/ul	90
53) 2,4-Dinitrophenol	14.980	184	3267	4.331	ng/ul#	69
55) 4-Nitrophenol	15.056	109	3501	3.731	ng/ul#	78
56) Dibenzofuran	15.256	168	38494	4.227	ng/ul	99
57) 2,4-Dinitrotoluene	15.227	165	8016	3.998	ng/ul#	94
58) 2,3,4,6-Tetrachlorophenol	15.468	232	6712	3.773	ng/ul#	93
59) Diethylphthalate	15.644	149	31343	4.190	ng/ul	94
61) Fluorene	15.902	166	29326	3.839	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.879	204	15241	3.974	ng/ul	93
63) 4-Nitroaniline	15.943	138	6063	4.145	ng/ul	96
66) 4,6-Dinitro-2-methylph...	15.973	198	5338	3.889	ng/ul#	71
67) N-Nitrosodiphenylamine	16.102	169	26246	4.275	ng/ul	89
68) 4-Bromophenyl-phenylether	16.784	248	10406	4.519	ng/ul#	77
69) Hexachlorobenzene	16.872	284	10940	4.144	ng/ul#	85
70) Atrazine	17.036	200	10436	4.307	ng/ul#	89
71) Pentachlorophenol	17.230	266	8881	5.936	ng/ul#	91
72) Phenanthrene	17.653	178	57974	4.438	ng/ul	98
74) Anthracene	17.741	178	57186	4.248	ng/ul	97
75) 1,2,3,4-Tetrachloroben...	13.652	216	11261	3.722	ng/uL#	67
76) Pentachlorobenzene	15.150	250	12331	4.213	ng/uL	95
77) Carbazole	18.017	167	46711	4.031	ng/ul#	93
78) Di-n-butylphthalate	18.523	149	55596	4.216	ng/ul#	98
80) Fluoranthene	19.645	202	65338	3.850	ng/ul#	95
82) Pyrene	20.015	202	73150	4.056	ng/ul	96
83) Butylbenzylphthalate	20.867	149	22201	3.646	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.807	252	29981	5.028	ng/ul#	84
85) Benzo(a)anthracene	21.889	228	72996m	4.022	ng/ul	
86) Bis(2-ethylhexyl)phtha...	21.719	149	34128	3.886	ng/ul#	95
87) Chrysene	21.960	228	71273	4.168	ng/ul	94
89) Di-n-octyl phthalate	23.012	149	57573	3.760	ng/ul	100
90) Benzo(b)fluoranthene	24.263	252	74430m	4.235	ng/ul	
91) Benzo(k)fluoranthene	24.334	252	72296	4.013	ng/ul	99
93) Benzo(a)pyrene	25.221	252	71826	4.262	ng/ul#	97
94) Indeno(1,2,3-cd)pyrene	29.410	276	75741m	3.997	ng/ul	
95) Dibenzo(a,h)anthracene	29.481	278	60549m	3.866	ng/ul	
96) Benzo(g,h,i)perylene	30.673	276	63506m	4.127	ng/ul	

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

