

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092821\
 Data File : BG050315.D
 Acq On : 29 Sep 2021 16:53
 Operator : CG/JU
 Sample : M3263-04
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-QT4-2021-08

Manual Integrations
 APPROVED

mohammad
 9/30/2021 11:30:13 AM

Quant Time: Sep 29 17:27:23 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG092521.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Sep 29 10:57:11 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.283	152	42779	20.000	ng/u1	0.00
20) Naphthalene-d8	11.109	136	175331	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.899	164	126731	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.642	188	287685	20.000	ng/u1	# 0.00
79) Chrysene-d12	21.943	240	299952	20.000	ng/u1	# 0.00
88) Perylene-d12	25.380	264	306808	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.653	96	5149	5.821	ng/uL	0.00
4) Pyridine-d5	4.082	84	53284	19.985	ng/u1	0.00
7) Phenol-d5	7.413	99	92261	27.163	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.595	67	60542	30.710	ng/u1	0.00
11) 2-Chlorophenol-d4	7.807	132	67333	27.274	ng/u1	0.00
15) 4-Methylphenol-d8	8.970	113	73013	27.287	ng/u1	0.00
21) Nitrobenzene-d5	9.452	128	34161	31.539	ng/u1	0.00
24) 2-Nitrophenol-d4	10.181	143	35343	29.543	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.709	165	67416	24.157	ng/u1	0.00
31) 4-Chloroaniline-d4	11.232	131	95302	25.995	ng/u1	0.00
46) Dimethylphthalate-d6	14.293	166	230172	26.723	ng/u1	0.00
49) Acenaphthylene-d8	14.593	160	265935	24.562	ng/u1	0.00
54) 4-Nitrophenol-d4	15.057	143	41995	28.898	ng/u1	0.00
60) Fluorene-d10	15.886	176	202416	25.668	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.986	200	36255	29.746	ng/u1	0.00
73) Anthracene-d10	17.742	188	319996	26.115	ng/u1	0.00
81) Pyrene-d10	20.010	212	386257	23.784	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.145	264	416618	26.634	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.688	88	1266	1.134	ng/uL	95
5) Pyridine	4.099	79	11452	4.142	ng/u1#	59
6) Benzaldehyde	7.413	77	9159	4.248	ng/u1	97
8) Phenol	7.443	94	12323	3.581	ng/u1	89
10) Bis(2-Chloroethyl)ether	7.689	93	10039	3.926	ng/u1	98
12) 2-Chlorophenol	7.842	128	8704	3.345	ng/u1#	84
13) 2-Methylphenol	8.706	108	8583	3.197	ng/u1	97
14) 2,2'-oxybis(1-Chloropr...	8.800	45	14073m	4.160	ng/u1	
16) Acetophenone	9.111	105	15748	3.853	ng/u1#	90
17) N-Nitroso-di-n-propyla...	9.082	70	9103	3.918	ng/u1	96
18) 4-Methylphenol	9.035	108	10075	3.685	ng/u1	92
19) Hexachloroethane	9.376	117	4164	3.730	ng/u1	86
22) Nitrobenzene	9.493	77	13538	4.357	ng/u1	93
23) Isophorone	10.022	82	22807	3.480	ng/u1#	97
25) 2-Nitrophenol	10.204	139	5012	4.011	ng/u1#	72
26) 2,4-Dimethylphenol	10.251	107	10940	3.274	ng/u1	89
27) Bis(2-Chloroethoxy)met...	10.498	93	12160	3.399	ng/u1	94
29) 2,4-Dichlorophenol	10.739	162	9726	3.617	ng/u1#	88
30) Naphthalene	11.156	128	30223	3.361	ng/u1#	93
32) 4-Chloroaniline	11.262	127	12296	3.358	ng/u1	96
33) Hexachlorobutadiene	11.438	225	6416	2.876	ng/u1	95
34) Caprolactam	12.043	113	4592m	5.416	ng/u1	
35) 4-Chloro-3-methylphenol	12.349	107	10519	3.607	ng/u1	99
36) 2-Methylnaphthalene	12.742	142	20931	3.361	ng/u1	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.960	142	21221	3.375	ng/ul	96
39) 1,2,4,5-Tetrachloroben...	13.101	216	12522	3.138	ng/ul#	95
40) Hexachlorocyclopentadiene	13.077	237	14913	5.418	ng/ul	97
41) 2,4,6-Trichlorophenol	13.330	196	7377	3.135	ng/ul	92
42) 2,4,5-Trichlorophenol	13.394	196	8585	3.391	ng/ul	99
43) 1,1'-Biphenyl	13.735	154	29843	3.471	ng/ul#	98
44) 2-Chloronaphthalene	13.782	162	23222	3.414	ng/ul	91
45) 2-Nitroaniline	13.976	65	6801	4.199	ng/ul#	83
47) Dimethylphthalate	14.340	163	29994	3.457	ng/ul	96
48) 2,6-Dinitrotoluene	14.458	165	5415	3.943	ng/ul	99
50) Acenaphthylene	14.622	152	36203	3.310	ng/ul	97
51) 3-Nitroaniline	14.793	138	5966	3.885	ng/ul#	88
52) Acenaphthene	14.963	153	24147	3.372	ng/ul	95
53) 2,4-Dinitrophenol	14.987	184	4909	5.645	ng/ul#	81
55) 4-Nitrophenol	15.075	109	5223	3.497	ng/ul#	64
56) Dibenzofuran	15.292	168	36505	3.406	ng/ul	91
57) 2,4-Dinitrotoluene	15.239	165	7804	4.009	ng/ul#	95
58) 2,3,4,6-Tetrachlorophenol	15.510	232	7227	3.173	ng/ul#	91
59) Diethylphthalate	15.692	149	29380	3.294	ng/ul	96
61) Fluorene	15.939	166	29242	3.483	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.927	204	15759	3.334	ng/ul	99
63) 4-Nitroaniline	15.944	138	6009	3.801	ng/ul#	63
66) 4,6-Dinitro-2-methylph...	15.997	198	4885	3.990	ng/ul#	73
67) N-Nitrosodiphenylamine	16.138	169	24544	3.374	ng/ul	96
68) 4-Bromophenyl-phenylether	16.820	248	9548	3.201	ng/ul	83
69) Hexachlorobenzene	16.937	284	11013	3.332	ng/ul	94
70) Atrazine	17.078	200	12039	3.751	ng/ul	97
71) Pentachlorophenol	17.278	266	8714	4.132	ng/ul	95
72) Phenanthrene	17.684	178	50527	3.539	ng/ul	95
74) Anthracene	17.772	178	49530m	3.483	ng/ul	
75) 1,2,3,4-Tetrachloroben...	13.706	216	13004	3.180	ng/uL	95
76) Pentachlorobenzene	15.204	250	13053	3.310	ng/uL	99
77) Carbazole	18.036	167	43897	3.489	ng/ul	98
78) Di-n-butylphthalate	18.583	149	49742	3.429	ng/ul	97
80) Fluoranthene	19.681	202	63155	3.067	ng/ul#	89
82) Pyrene	20.040	202	62707	3.097	ng/ul#	88
83) Butylbenzylphthalate	20.915	149	22189	3.253	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.832	252	20532	3.196	ng/ul#	95
85) Benzo(a)anthracene	21.926	228	62117	3.439	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.808	149	31406	3.226	ng/ul#	95
87) Chrysene	21.990	228	59776	3.413	ng/ul	98
89) Di-n-octyl phthalate	23.101	149	52845	3.514	ng/ul	100
90) Benzo(b)fluoranthene	24.276	252	59665	3.322	ng/ul#	92
91) Benzo(k)fluoranthene	24.352	252	59005	3.499	ng/ul#	96
93) Benzo(a)pyrene	25.216	252	55846	3.274	ng/ul#	90
94) Indeno(1,2,3-cd)pyrene	29.305	276	66403	3.331	ng/ul#	92
95) Dibenzo(a,h)anthracene	29.387	278	57456	3.344	ng/ul#	96
96) Benzo(g,h,i)perylene	30.539	276	56020	3.285	ng/ul#	95

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

