

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103123\
 Data File : BG059559.D
 Acq On : 31 Oct 2023 12:41
 Operator : MA/JU
 Sample : 04696-06
 Misc : SFAM-MDL-ME-SOIL-02
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MED-SOIL-QT4-2023-08

Quant Time: Nov 01 04:29:26 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG102723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Oct 28 03:56:42 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Yogesh
 Patel

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.359	152	99595	20.000	ng/u1	0.00
20) Naphthalene-d8	11.203	136	346619	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.987	164	213853	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.736	188	610217	20.000	ng/u1	0.00
79) Chrysene-d12	22.072	240	396569	20.000	ng/u1	0.00
88) Perylene-d12	25.680	264	438371	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.653	96	9799	3.681	ng/uL	0.00
4) Pyridine-d5	4.088	84	130836	17.589	ng/u1	0.00
7) Phenol-d5	7.460	99	182069	17.790	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.672	67	79390	16.888	ng/u1	0.00
11) 2-Chlorophenol-d4	7.871	132	138163	16.640	ng/u1	0.00
15) 4-Methylphenol-d8	9.035	113	135767	16.721	ng/u1	0.00
21) Nitrobenzene-d5	9.552	128	65115	26.420	ng/u1	0.00
24) 2-Nitrophenol-d4	10.275	143	72941	28.829	ng/u1	-0.01
28) 2,4-Dichlorophenol-d3	10.797	165	133731	23.990	ng/u1	0.00
31) 4-Chloroaniline-d4	11.344	131	200653	21.866	ng/u1	0.00
46) Dimethylphthalate-d6	14.381	166	398163	20.551	ng/u1	0.00
49) Acenaphthylene-d8	14.687	160	491691	21.625	ng/u1	0.00
54) 4-Nitrophenol-d4	15.145	143	81829	24.629	ng/u1	0.00
60) Fluorene-d10	15.974	176	358455	21.649	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	16.074	200	50412	17.445	ng/u1	0.00
73) Anthracene-d10	17.836	188	716514	21.674	ng/u1	0.00
81) Pyrene-d10	20.104	212	607716	22.047	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.433	264	586064	22.704	ng/u1	0.00
Target Compounds						
					Qvalue	
5) Pyridine	4.105	79	20105m	2.740	ng/u1	
6) Benzaldehyde	7.501	77	16683	3.619	ng/u1#	84
8) Phenol	7.495	94	29711	3.079	ng/u1#	89
10) Bis(2-Chloroethyl)ether	7.766	93	19855	2.806	ng/u1	93
12) 2-Chlorophenol	7.901	128	23776	2.888	ng/u1	96
13) 2-Methylphenol	8.770	108	21946	2.728	ng/u1#	76
14) 2,2'-oxybis(1-Chloropr...	8.864	45	16891m	2.537	ng/u1	
16) Acetophenone	9.193	105	34942	2.730	ng/u1	90
17) N-Nitroso-di-n-propyla...	9.158	70	13918	2.308	ng/u1#	92
18) 4-Methylphenol	9.105	108	24174	2.825	ng/u1	90
19) Hexachloroethane	9.440	117	9979	3.052	ng/u1#	54
22) Nitrobenzene	9.593	77	25170	4.732	ng/u1#	89
23) Isophorone	10.104	82	44978	3.357	ng/u1#	80
25) 2-Nitrophenol	10.304	139	11902	4.374	ng/u1#	84
26) 2,4-Dimethylphenol	10.327	107	23070	3.223	ng/u1#	88
27) Bis(2-Chloroethoxy)met...	10.592	93	25285	3.390	ng/u1#	95
29) 2,4-Dichlorophenol	10.821	162	22498	4.172	ng/u1#	74
30) Naphthalene	11.256	128	78726	3.644	ng/u1	95
32) 4-Chloroaniline	11.367	127	32407	3.718	ng/u1#	81
33) Hexachlorobutadiene	11.491	225	11760	3.635	ng/u1#	66
34) Caprolactam	12.131	113	6969m	3.532	ng/u1	
35) 4-Chloro-3-methylphenol	12.431	107	26925	4.184	ng/u1#	86
36) 2-Methylnaphthalene	12.836	142	58341	3.925	ng/u1	90
37) 1-Methylnaphthalene	13.048	142	59124	3.994	ng/u1#	92

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39) 1,2,4,5-Tetrachloroben...	13.177	216	22145	3.590	ng/ul	93	11/02/2023
40) Hexachlorocyclopentadiene	13.130	237	13103	3.644	ng/ul#	90	Supervised By :mohammad ahmed
41) 2,4,6-Trichlorophenol	13.412	196	16479	3.858	ng/ul#	82	
42) 2,4,5-Trichlorophenol	13.477	196	19213	4.155	ng/ul	90	
43) 1,1'-Biphenyl	13.823	154	73961	3.823	ng/ul	98	
44) 2-Chloronaphthalene	13.876	162	56301	3.744	ng/ul	98	
45) 2-Nitroaniline	14.082	65	12837	4.588	ng/ul#	87	11/02/2023
47) Dimethylphthalate	14.428	163	69905	3.652	ng/ul#	95	
48) 2,6-Dinitrotoluene	14.564	165	12248	4.242	ng/ul#	97	
50) Acenaphthylene	14.716	152	96287	3.675	ng/ul	99	
51) 3-Nitroaniline	14.899	138	15445	4.291	ng/ul#	73	
52) Acenaphthene	15.051	153	59298	3.472	ng/ul	90	
53) 2,4-Dinitrophenol	15.098	184	6448	3.930	ng/ul	95	
55) 4-Nitrophenol	15.163	109	13996	3.822	ng/ul#	86	
56) Dibenzofuran	15.380	168	77464	3.499	ng/ul	99	
57) 2,4-Dinitrotoluene	15.339	165	18645	4.590	ng/ul	97	
58) 2,3,4,6-Tetrachlorophenol	15.586	232	15593	4.297	ng/ul#	76	
59) Diethylphthalate	15.774	149	68610	3.286	ng/ul	94	
61) Fluorene	16.027	166	68710	3.595	ng/ul	99	
62) 4-Chlorophenyl-phenyle...	16.015	204	29617	3.626	ng/ul	86	
63) 4-Nitroaniline	16.062	138	17237	4.513	ng/ul#	81	
66) 4,6-Dinitro-2-methylph...	16.085	198	8987	2.951	ng/ul#	24	
67) N-Nitrosodiphenylamine	16.226	169	57355	2.751	ng/ul#	82	
68) 4-Bromophenyl-phenylether	16.914	248	18239	2.987	ng/ul	92	
69) Hexachlorobenzene	16.996	284	18769	2.660	ng/ul	94	
70) Atrazine	17.161	200	20380	3.154	ng/ul	99	
71) Pentachlorophenol	17.349	266	13527m	3.355	ng/ul		
72) Phenanthrene	17.777	178	146119	3.683	ng/ul	99	
74) Anthracene	17.871	178	148824m	3.716	ng/ul		
75) 1,2,3,4-Tetrachloroben...	13.782	216	22508	2.770	ng/uL#	91	
76) Pentachlorobenzene	15.275	250	23929	3.103	ng/uL	93	
77) Carbazole	18.148	167	135422	3.936	ng/ul#	96	
78) Di-n-butylphthalate	18.659	149	173432	3.668	ng/ul#	97	
80) Fluoranthene	19.775	202	126844	3.775	ng/ul	98	
82) Pyrene	20.134	202	124523	3.568	ng/ul#	92	
83) Butylbenzylphthalate	21.003	149	58835	3.733	ng/ul	94	
84) 3,3'-Dichlorobenzidine	21.961	252	41527	4.027	ng/ul	96	
85) Benzo(a)anthracene	22.055	228	116870	3.581	ng/ul	96	
86) Bis(2-ethylhexyl)phtha...	21.902	149	85797	3.648	ng/ul#	94	
87) Chrysene	22.125	228	108888	3.587	ng/ul	95	
89) Di-n-octyl phthalate	23.253	149	147449	3.842	ng/ul	100	
90) Benzo(b)fluoranthene	24.511	252	116344m	3.661	ng/ul		
91) Benzo(k)fluoranthene	24.593	252	115101	3.626	ng/ul	99	
93) Benzo(a)pyrene	25.510	252	106147	3.534	ng/ul#	92	
94) Indeno(1,2,3-cd)pyrene	29.869	276	140599m	3.693	ng/ul		
95) Dibenzo(a,h)anthracene	29.946	278	117233m	3.729	ng/ul		
96) Benzo(g,h,i)perylene	31.179	276	111669m	3.584	ng/ul		

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

