

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101623\
 Data File : BG059452.D
 Acq On : 16 Oct 2023 11:30
 Operator : MA/JU
 Sample : 02215-04
 Misc : SFAM-MD-SOIL-02
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-QT2-2023-04

Quant Time: Oct 17 03:41:55 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	8.220	152	33884	20.000	ng/ul	0.00
20) Naphthalene-d8	11.058	136	155862	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.853	164	99377	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.603	188	236441	20.000	ng/ul	0.00
79) Chrysene-d12	21.910	240	248282	20.000	ng/ul	0.00
88) Perylene-d12	25.388	264	285422	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.508	96	6239	5.774	ng/uL	0.00
4) Pyridine-d5	3.948	84	68650	23.214	ng/ul	0.00
7) Phenol-d5	7.339	99	81882	22.071	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.538	67	48761	23.061	ng/ul	0.00
11) 2-Chlorophenol-d4	7.738	132	58893	22.309	ng/ul	0.00
15) 4-Methylphenol-d8	8.907	113	60157	21.266	ng/ul	0.00
21) Nitrobenzene-d5	9.418	128	30605	23.777	ng/ul	0.00
24) 2-Nitrophenol-d4	10.135	143	32865	26.156	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.664	165	56355	21.583	ng/ul	0.00
31) 4-Chloroaniline-d4	11.205	131	88456	21.346	ng/ul	0.00
46) Dimethylphthalate-d6	14.248	166	194317	23.079	ng/ul	0.00
49) Acenaphthylene-d8	14.559	160	223416	22.007	ng/ul	0.00
54) 4-Nitrophenol-d4	15.041	143	28106	19.326	ng/ul	0.00
60) Fluorene-d10	15.840	176	180969	22.834	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.952	200	28764	19.910	ng/ul	0.00
73) Anthracene-d10	17.703	188	274430	22.575	ng/ul	0.00
81) Pyrene-d10	19.983	212	335483	22.247	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.147	264	364828	23.348	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.555	88	1826	1.359	ng/uL#	77
5) Pyridine	3.966	79	11845	4.055	ng/ul#	68
6) Benzaldehyde	7.356	77	7661	4.697	ng/ul#	84
8) Phenol	7.374	94	13803	3.734	ng/ul	94
10) Bis(2-Chloroethyl)ether	7.632	93	10769	3.717	ng/ul	96
12) 2-Chlorophenol	7.767	128	9695	3.578	ng/ul#	83
13) 2-Methylphenol	8.649	108	10078	3.719	ng/ul	93
14) 2,2'-oxybis(1-Chloropr...	8.743	45	22318m	3.679	ng/ul	
16) Acetophenone	9.060	105	16990	4.001	ng/ul#	92
17) N-Nitroso-di-n-propyla...	9.025	70	7691	3.950	ng/ul#	96
18) 4-Methylphenol	8.972	108	10692	3.640	ng/ul	98
19) Hexachloroethane	9.301	117	3924	3.761	ng/ul#	78
22) Nitrobenzene	9.460	77	10980	3.823	ng/ul	96
23) Isophorone	9.959	82	22718	3.725	ng/ul#	87
25) 2-Nitrophenol	10.176	139	5050m	3.674	ng/ul	
26) 2,4-Dimethylphenol	10.194	107	9081	3.156	ng/ul#	79
27) Bis(2-Chloroethoxy)met...	10.447	93	14131	3.627	ng/ul	98
29) 2,4-Dichlorophenol	10.688	162	8818	3.504	ng/ul#	84
30) Naphthalene	11.111	128	33901	3.614	ng/ul	97
32) 4-Chloroaniline	11.234	127	13431m	3.452	ng/ul	
33) Hexachlorobutadiene	11.340	225	6076	3.650	ng/ul#	87
34) Caprolactam	12.010	113	3986m	4.485	ng/ul	
35) 4-Chloro-3-methylphenol	12.303	107	9337	3.632	ng/ul	88
36) 2-Methylnaphthalene	12.691	142	21636	3.574	ng/ul	82

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.914	142	24019	3.897	ng/ul#	92
39) 1,2,4,5-Tetrachloroben...	13.038	216	11788	3.673	ng/ul#	86
40) Hexachlorocyclopentadiene	12.997	237	10574	5.696	ng/ul	88
41) 2,4,6-Trichlorophenol	13.285	196	7306	3.704	ng/ul#	78
42) 2,4,5-Trichlorophenol	13.361	196	7561	3.483	ng/ul	83
43) 1,1'-Biphenyl	13.690	154	34400	3.870	ng/ul	89
44) 2-Chloronaphthalene	13.743	162	25535	3.755	ng/ul	90
45) 2-Nitroaniline	13.960	65	7709	4.267	ng/ul#	58
47) Dimethylphthalate	14.295	163	31588	3.743	ng/ul#	98
48) 2,6-Dinitrotoluene	14.442	165	5161	3.321	ng/ul#	92
50) Acenaphthylene	14.583	152	39948	3.723	ng/ul#	96
51) 3-Nitroaniline	14.783	138	4940	2.999	ng/ul#	82
52) Acenaphthene	14.918	153	27008	3.679	ng/ul	91
53) 2,4-Dinitrophenol	14.983	184	5473	6.655	ng/ul#	84
55) 4-Nitrophenol	15.053	109	3596	3.515	ng/ul	95
56) Dibenzofuran	15.247	168	36709	3.698	ng/ul	92
57) 2,4-Dinitrotoluene	15.223	165	7965	3.644	ng/ul#	85
58) 2,3,4,6-Tetrachlorophenol	15.458	232	6220	3.207	ng/ul#	95
59) Diethylphthalate	15.641	149	28568	3.503	ng/ul#	89
61) Fluorene	15.899	166	32521	3.905	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.881	204	15415	3.687	ng/ul	95
63) 4-Nitroaniline	15.940	138	5975	3.747	ng/ul#	71
66) 4,6-Dinitro-2-methylph...	15.964	198	5388	3.488	ng/ul#	89
67) N-Nitrosodiphenylamine	16.105	169	24377	3.527	ng/ul	93
68) 4-Bromophenyl-phenylether	16.775	248	9136	3.525	ng/ul#	83
69) Hexachlorobenzene	16.869	284	11927	4.014	ng/ul#	89
70) Atrazine	17.033	200	10682	3.916	ng/ul#	82
71) Pentachlorophenol	17.233	266	8128m	4.826	ng/ul	
72) Phenanthrene	17.650	178	53783	3.658	ng/ul#	92
74) Anthracene	17.738	178	54378	3.588	ng/ul	96
75) 1,2,3,4-Tetrachloroben...	13.649	216	11144	3.272	ng/ul	93
76) Pentachlorobenzene	15.141	250	12908	3.918	ng/ul#	82
77) Carbazole	18.020	167	44210	3.390	ng/ul	97
78) Di-n-butylphthalate	18.520	149	54692	3.685	ng/ul	99
80) Fluoranthene	19.648	202	64737	3.534	ng/ul#	93
82) Pyrene	20.006	202	69429	3.567	ng/ul	97
83) Butylbenzylphthalate	20.864	149	23008	3.500	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.798	252	22026	3.422	ng/ul#	80
85) Benzo(a)anthracene	21.886	228	69768	3.562	ng/ul	96
86) Bis(2-ethylhexyl)phtha...	21.716	149	33445	3.528	ng/ul	95
87) Chrysene	21.957	228	68172	3.694	ng/ul	97
89) Di-n-octyl phthalate	23.003	149	55970	3.314	ng/ul	100
90) Benzo(b)fluoranthene	24.260	252	72976	3.764	ng/ul	98
91) Benzo(k)fluoranthene	24.330	252	67872	3.415	ng/ul	99
93) Benzo(a)pyrene	25.223	252	68772	3.699	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	29.401	276	75952m	3.633	ng/ul	
95) Dibenzo(a,h)anthracene	29.471	278	60738m	3.515	ng/ul	
96) Benzo(g,h,i)perylene	30.676	276	61529m	3.625	ng/ul	

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

