

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052324\
 Data File : BG061270.D
 Acq On : 23 May 2024 13:13
 Operator : MA/JU
 Sample : P2409-06
 Misc : SFAM-MDL-ME-SOIL-02
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MED-SOIL-QT2-2024-04

Quant Time: May 24 01:36:27 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 21 15:23:39 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/24/2024
 Supervised By :mohammad ahmed 05/25/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.888	152	27144	20.000	ng/u1	0.00
20) Naphthalene-d8	10.679	136	130758	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.521	164	116143	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.265	188	311810	20.000	ng/u1	# 0.00
79) Chrysene-d12	21.519	240	304470	20.000	ng/u1	0.00
88) Perylene-d12	24.604	264	321764	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.340	96	2185	4.505	ng/uL	0.00
4) Pyridine-d5	3.746	84	40933	23.722	ng/u1	0.00
7) Phenol-d5	7.065	99	50066	22.460	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.212	67	32233	23.006	ng/u1	0.00
11) 2-Chlorophenol-d4	7.418	132	37814	22.922	ng/u1	0.00
15) 4-Methylphenol-d8	8.599	113	41882	22.035	ng/u1	0.00
21) Nitrobenzene-d5	9.040	128	21840	21.694	ng/u1	0.00
24) 2-Nitrophenol-d4	9.762	143	26237	22.268	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.309	165	48553	21.138	ng/u1	0.00
31) 4-Chloroaniline-d4	10.814	131	65921	21.936	ng/u1	0.00
46) Dimethylphthalate-d6	13.928	166	207781	23.067	ng/u1	0.00
49) Acenaphthylene-d8	14.210	160	216821	23.153	ng/u1	0.00
54) 4-Nitrophenol-d4	14.745	143	25519	22.915	ng/u1	0.00
60) Fluorene-d10	15.514	176	183744	23.627	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.644	200	37950	20.123	ng/u1	0.00
73) Anthracene-d10	17.365	188	284684	20.709	ng/u1	0.00
81) Pyrene-d10	19.657	212	367551	23.511	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.392	264	362629	23.442	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.376	88	669	1.149	ng/uL#	90
5) Pyridine	3.763	79	8128	4.762	ng/u1#	67
6) Benzaldehyde	7.024	77	7346	6.303	ng/u1	99
8) Phenol	7.089	94	10974	4.832	ng/u1#	86
10) Bis(2-Chloroethyl)ether	7.306	93	8399	5.056	ng/u1	98
12) 2-Chlorophenol	7.453	128	8321	4.773	ng/u1	89
13) 2-Methylphenol	8.340	108	8811	5.006	ng/u1	93
14) 2,2'-oxybis(1-Chloropr...	8.405	45	22763	5.074	ng/u1	97
16) Acetophenone	8.705	105	17127	5.280	ng/u1	87
17) N-Nitroso-di-n-propyla...	8.687	70	9283	5.205	ng/u1#	95
18) 4-Methylphenol	8.664	108	9595	4.920	ng/u1	96
19) Hexachloroethane	8.963	117	3657	4.714	ng/u1#	78
22) Nitrobenzene	9.081	77	12635	4.576	ng/u1#	96
23) Isophorone	9.610	82	27589	4.912	ng/u1	97
25) 2-Nitrophenol	9.798	139	5780	4.520	ng/u1	96
26) 2,4-Dimethylphenol	9.862	107	6409	2.529	ng/u1	90
27) Bis(2-Chloroethoxy)met...	10.091	93	13546	4.811	ng/u1#	95
29) 2,4-Dichlorophenol	10.332	162	10332	4.884	ng/u1	97
30) Naphthalene	10.732	128	33264	4.820	ng/u1	96
32) 4-Chloroaniline	10.843	127	15266	5.112	ng/u1	97
33) Hexachlorobutadiene	11.014	225	9961	4.817	ng/u1	89
34) Caprolactam	11.613	113	4507	5.568	ng/u1	97
35) 4-Chloro-3-methylphenol	11.983	107	12482	4.564	ng/u1#	84
36) 2-Methylnaphthalene	12.336	142	24802	4.955	ng/u1	91

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.559	142	26976	5.252	ng/ul	100
39) 1,2,4,5-Tetrachloroben...	12.712	216	18859	4.918	ng/ul#	95
40) Hexachlorocyclopentadiene	12.688	237	7124	4.116	ng/ul#	93
41) 2,4,6-Trichlorophenol	12.959	196	9918	4.592	ng/ul	99
42) 2,4,5-Trichlorophenol	13.035	196	10300	4.528	ng/ul	98
43) 1,1'-Biphenyl	13.352	154	37561	5.001	ng/ul	97
44) 2-Chloronaphthalene	13.393	162	29301	4.958	ng/ul	98
45) 2-Nitroaniline	13.599	65	11363	4.658	ng/ul	96
47) Dimethylphthalate	13.969	163	46467	4.949	ng/ul	99
48) 2,6-Dinitrotoluene	14.093	165	8912	4.840	ng/ul	95
50) Acenaphthylene	14.239	152	51354	4.945	ng/ul	98
51) 3-Nitroaniline	14.422	138	8275	5.179	ng/ul	99
52) Acenaphthene	14.580	153	34004	4.992	ng/ul	97
53) 2,4-Dinitrophenol	14.657	184	4631m	4.743	ng/ul	
55) 4-Nitrophenol	14.756	109	6272	4.790	ng/ul	95
56) Dibenzofuran	14.915	168	49600	5.092	ng/ul	97
57) 2,4-Dinitrotoluene	14.892	165	13458	4.804	ng/ul#	92
58) 2,3,4,6-Tetrachlorophenol	15.162	232	9442	4.552	ng/ul#	90
59) Diethylphthalate	15.338	149	46554	5.021	ng/ul	98
61) Fluorene	15.567	166	44037	5.225	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.561	204	25685	5.197	ng/ul	94
63) 4-Nitroaniline	15.585	138	8317	4.998	ng/ul	86
66) 4,6-Dinitro-2-methylph...	15.661	198	10078	5.099	ng/ul#	86
67) N-Nitrosodiphenylamine	15.773	169	39304	5.015	ng/ul	95
68) 4-Bromophenyl-phenylether	16.454	248	18643	5.046	ng/ul	94
69) Hexachlorobenzene	16.578	284	20231	4.926	ng/ul	98
70) Atrazine	16.725	200	17851	5.756	ng/ul	95
71) Pentachlorophenol	16.936	266	6638	4.644	ng/ul#	88
72) Phenanthrene	17.306	178	74717	4.937	ng/ul	98
74) Anthracene	17.400	178	70653	4.515	ng/ul	97
75) 1,2,3,4-Tetrachloroben...	13.317	216	18595	4.512	ng/ul	94
76) Pentachlorobenzene	14.845	250	23456	5.147	ng/ul	88
77) Carbazole	17.671	167	64202	5.044	ng/ul	98
78) Di-n-butylphthalate	18.229	149	77667	4.870	ng/ul	99
80) Fluoranthene	19.322	202	96188	5.129	ng/ul	99
82) Pyrene	19.686	202	99011	5.086	ng/ul	99
83) Butylbenzylphthalate	20.573	149	33217	4.967	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.413	252	27317	4.227	ng/ul#	96
85) Benzo(a)anthracene	21.496	228	103310	4.918	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.413	149	49720	5.023	ng/ul#	98
87) Chrysene	21.560	228	95879	4.956	ng/ul	98
89) Di-n-octyl phthalate	22.577	149	85517	5.312	ng/ul	100
90) Benzo(b)fluoranthene	23.617	252	102028	5.326	ng/ul	99
91) Benzo(k)fluoranthene	23.687	252	96776	4.976	ng/ul	97
93) Benzo(a)pyrene	24.457	252	92872	5.105	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	28.094	276	113177	5.145	ng/ul	98
95) Dibenzo(a,h)anthracene	28.141	278	91080	5.021	ng/ul	97
96) Benzo(g,h,i)perylene	29.181	276	91391	5.222	ng/ul	98

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

