

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052224\
 Data File : BG061261.D
 Acq On : 22 May 2024 15:19
 Operator : MA/JU
 Sample : P2409-05
 Misc : SFAM-MDL-ME-SOIL-01
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MED-SOIL-QT2-2024-03

Quant Time: May 22 15:55:45 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 05/24/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.887	152	24922	20.000	ng/u1	0.00
20) Naphthalene-d8	10.684	136	112116	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.521	164	98070	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.271	188	263903	20.000	ng/u1	# 0.00
79) Chrysene-d12	21.519	240	284148	20.000	ng/u1	0.00
88) Perylene-d12	24.603	264	291271	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.340	96	2388	5.362	ng/uL	0.00
4) Pyridine-d5	3.745	84	35621	22.484	ng/u1	0.00
7) Phenol-d5	7.065	99	45562	22.262	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.218	67	30020	23.337	ng/u1	0.00
11) 2-Chlorophenol-d4	7.423	132	34214	22.589	ng/u1	0.00
15) 4-Methylphenol-d8	8.598	113	38238	21.911	ng/u1	0.00
21) Nitrobenzene-d5	9.045	128	20010	23.181	ng/u1	0.00
24) 2-Nitrophenol-d4	9.768	143	22534	22.305	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.314	165	41561	21.102	ng/u1	0.00
31) 4-Chloroaniline-d4	10.813	131	57425	22.286	ng/u1	0.00
46) Dimethylphthalate-d6	13.927	166	170957	22.476	ng/u1	0.00
49) Acenaphthylene-d8	14.215	160	179969	22.759	ng/u1	0.00
54) 4-Nitrophenol-d4	14.744	143	21702	23.078	ng/u1	0.00
60) Fluorene-d10	15.514	176	152476	23.219	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.643	200	32272	20.219	ng/u1	0.00
73) Anthracene-d10	17.365	188	244068	20.978	ng/u1	0.00
81) Pyrene-d10	19.656	212	325916	22.339	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.392	264	330725	23.618	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.375	88	709	1.326	ng/uL#	70
5) Pyridine	3.763	79	7487	4.778	ng/u1#	54
6) Benzaldehyde	7.030	77	6296	5.883	ng/u1	98
8) Phenol	7.094	94	9841	4.719	ng/u1#	86
10) Bis(2-Chloroethyl)ether	7.306	93	7387	4.843	ng/u1#	95
12) 2-Chlorophenol	7.453	128	7786	4.864	ng/u1	95
13) 2-Methylphenol	8.340	108	7631	4.722	ng/u1	96
14) 2,2'-oxybis(1-Chloropr...	8.410	45	21839	5.302	ng/u1	99
16) Acetophenone	8.704	105	14779	4.962	ng/u1	96
17) N-Nitroso-di-n-propyla...	8.686	70	8688	5.305	ng/u1	96
18) 4-Methylphenol	8.669	108	8330	4.652	ng/u1	84
19) Hexachloroethane	8.969	117	3382	4.749	ng/u1	84
22) Nitrobenzene	9.080	77	11704	4.943	ng/u1#	90
23) Isophorone	9.603	82	23400	4.859	ng/u1	97
25) 2-Nitrophenol	9.797	139	5145	4.692	ng/u1	97
26) 2,4-Dimethylphenol	9.862	107	6175	2.842	ng/u1	89
27) Bis(2-Chloroethoxy)met...	10.091	93	12024	4.981	ng/u1#	92
29) 2,4-Dichlorophenol	10.338	162	8794	4.848	ng/u1	98
30) Naphthalene	10.731	128	30118	5.089	ng/u1	99
32) 4-Chloroaniline	10.843	127	12543	4.898	ng/u1	96
33) Hexachlorobutadiene	11.013	225	8638	4.872	ng/u1#	87
34) Caprolactam	11.612	113	3831	5.520	ng/u1	82
35) 4-Chloro-3-methylphenol	11.983	107	11308	4.822	ng/u1#	86
36) 2-Methylnaphthalene	12.341	142	21478	5.005	ng/u1	94

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37) 1-Methylnaphthalene	12.558	142	22124	5.023	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.711	216	16345	5.048	ng/ul	94
40) Hexachlorocyclopentadiene	12.688	237	6576	4.500	ng/ul	99
41) 2,4,6-Trichlorophenol	12.958	196	7898	4.331	ng/ul	94
42) 2,4,5-Trichlorophenol	13.040	196	9241	4.812	ng/ul	86
43) 1,1'-Biphenyl	13.352	154	30968	4.883	ng/ul	99
44) 2-Chloronaphthalene	13.393	162	24460	4.901	ng/ul	90
45) 2-Nitroaniline	13.598	65	9602	4.662	ng/ul	87
47) Dimethylphthalate	13.974	163	39158	4.939	ng/ul#	96
48) 2,6-Dinitrotoluene	14.098	165	7565	4.866	ng/ul	99
50) Acenaphthylene	14.239	152	41510	4.734	ng/ul	97
51) 3-Nitroaniline	14.427	138	6937	5.142	ng/ul	99
52) Acenaphthene	14.580	153	28797	5.006	ng/ul	94
53) 2,4-Dinitrophenol	14.650	184	4152	5.036	ng/ul#	86
55) 4-Nitrophenol	14.762	109	6012	5.438	ng/ul	93
56) Dibenzofuran	14.920	168	41138	5.002	ng/ul	99
57) 2,4-Dinitrotoluene	14.891	165	11214	4.741	ng/ul#	93
58) 2,3,4,6-Tetrachlorophenol	15.155	232	7418	4.235	ng/ul#	97
59) Diethylphthalate	15.338	149	39528	5.049	ng/ul	97
61) Fluorene	15.567	166	35639	5.008	ng/ul	95
62) 4-Chlorophenyl-phenyle...	15.561	204	20100	4.816	ng/ul	93
63) 4-Nitroaniline	15.584	138	6973	4.962	ng/ul	88
66) 4,6-Dinitro-2-methylph...	15.661	198	7998	4.781	ng/ul#	97
67) N-Nitrosodiphenylamine	15.778	169	30875	4.655	ng/ul	98
68) 4-Bromophenyl-phenylether	16.460	248	15069	4.819	ng/ul	97
69) Hexachlorobenzene	16.577	284	16357	4.706	ng/ul	93
70) Atrazine	16.724	200	15239	5.805	ng/ul#	91
71) Pentachlorophenol	16.936	266	6193m	5.120	ng/ul	
72) Phenanthrene	17.312	178	63887	4.988	ng/ul	96
74) Anthracene	17.400	178	60086	4.537	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.316	216	16249	4.658	ng/ul	95
76) Pentachlorobenzene	14.844	250	18991	4.924	ng/ul	96
77) Carbazole	17.670	167	53713	4.986	ng/ul	98
78) Di-n-butylphthalate	18.234	149	68752	5.094	ng/ul	97
80) Fluoranthene	19.327	202	83683	4.781	ng/ul	98
82) Pyrene	19.685	202	89280	4.914	ng/ul	99
83) Butylbenzylphthalate	20.578	149	29891	4.789	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.419	252	27090	4.491	ng/ul#	99
85) Benzo(a)anthracene	21.495	228	95447	4.868	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.413	149	46052	4.985	ng/ul	99
87) Chrysene	21.560	228	87768	4.862	ng/ul	99
89) Di-n-octyl phthalate	22.576	149	78053	5.356	ng/ul	100
90) Benzo(b)fluoranthene	23.622	252	93156	5.372	ng/ul	99
91) Benzo(k)fluoranthene	23.687	252	89769	5.099	ng/ul	97
93) Benzo(a)pyrene	24.456	252	84490	5.131	ng/ul#	97
94) Indeno(1,2,3-cd)pyrene	28.093	276	101950	5.119	ng/ul#	95
95) Dibenzo(a,h)anthracene	28.152	278	86017	5.238	ng/ul	95
96) Benzo(g,h,i)perylene	29.174	276	81768m	5.161	ng/ul	

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

