

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111324\
 Data File : BG063354.D
 Acq On : 13 Nov 2024 14:18
 Operator : RC/JU
 Sample : P3391-06
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MED-SOIL-QT3-2024-06

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/14/2024
 Supervised By :mohammad ahmed 11/18/2024

Quant Time: Nov 13 14:31:11 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG110624.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Nov 06 15:45:52 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.827	152	91857	20.000	ng/ul	-0.01
20) Naphthalene-d8	10.617	136	405962	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.472	164	347922	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.221	188	916450	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.475	240	971567	20.000	ng/ul	# 0.00
88) Perylene-d12	24.513	264	996149	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.297	96	9642	4.746	ng/uL	0.00
4) Pyridine-d5	3.702	84	149849	22.318	ng/ul	0.00
7) Phenol-d5	6.998	99	184789	22.294	ng/ul	-0.01
9) Bis-(2-Chloroethyl)eth...	7.157	67	112804	23.202	ng/ul	-0.01
11) 2-Chlorophenol-d4	7.362	132	131729	24.485	ng/ul	-0.01
15) 4-Methylphenol-d8	8.537	113	143870	20.478	ng/ul	0.00
21) Nitrobenzene-d5	8.984	128	69931	24.503	ng/ul	0.00
24) 2-Nitrophenol-d4	9.701	143	85429	23.160	ng/ul	-0.01
28) 2,4-Dichlorophenol-d3	10.241	165	156022	21.553	ng/ul	0.00
31) 4-Chloroaniline-d4	10.758	131	197267	20.922	ng/ul	0.00
46) Dimethylphthalate-d6	13.878	166	540190	19.821	ng/ul	0.00
49) Acenaphthylene-d8	14.160	160	608856	22.825	ng/ul	0.00
54) 4-Nitrophenol-d4	14.683	143	78588m	21.061	ng/ul	0.00
60) Fluorene-d10	15.465	176	521294	22.664	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.594	200	105965	18.398	ng/ul	0.00
73) Anthracene-d10	17.321	188	817884	20.765	ng/ul	0.00
81) Pyrene-d10	19.619	212	1165023	23.917	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.307	264	1103190	22.938	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Pyridine	3.720	79	24457	3.570	ng/ul#	66
6) Benzaldehyde	6.975	77	22188	4.843	ng/ul#	85
8) Phenol	7.027	94	29873	3.307	ng/ul#	83
10) Bis(2-Chloroethyl)ether	7.251	93	23604	3.842	ng/ul#	82
12) 2-Chlorophenol	7.398	128	22934	3.985	ng/ul	99
13) 2-Methylphenol	8.273	108	22370m	3.390	ng/ul	
14) 2,2'-oxybis(1-Chloropr...	8.355	45	31620	4.072	ng/ul	98
16) Acetophenone	8.643	105	36927m	3.264	ng/ul	
17) N-Nitroso-di-n-propyla...	8.626	70	25141m	3.810	ng/ul	
18) 4-Methylphenol	8.596	108	24716m	3.294	ng/ul	
19) Hexachloroethane	8.902	117	9419	4.039	ng/ul#	83
22) Nitrobenzene	9.025	77	33220	3.775	ng/ul	95
23) Isophorone	9.542	82	61653	3.319	ng/ul#	94
25) 2-Nitrophenol	9.736	139	13653	3.744	ng/ul#	86
26) 2,4-Dimethylphenol	9.795	107	19423m	2.442	ng/ul	
27) Bis(2-Chloroethoxy)met...	10.030	93	34478	3.851	ng/ul#	96
29) 2,4-Dichlorophenol	10.271	162	24374	3.572	ng/ul#	81
30) Naphthalene	10.670	128	81335	3.916	ng/ul	100
32) 4-Chloroaniline	10.776	127	31736	3.517	ng/ul	95
33) Hexachlorobutadiene	10.958	225	22168	3.394	ng/ul#	91
34) Caprolactam	11.540	113	12896m	4.547	ng/ul	
35) 4-Chloro-3-methylphenol	11.916	107	25774m	3.148	ng/ul	
36) 2-Methylnaphthalene	12.286	142	56060	3.405	ng/ul	98
37) 1-Methylnaphthalene	12.503	142	61993	3.621	ng/ul#	90

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
39) 1,2,4,5-Tetrachloroben...	12.656	216	44335	3.615	ng/ul	93	11/14/2024
40) Hexachlorocyclopentadiene	12.633	237	28818	4.303	ng/ul#	91	Supervised By :mohammad ahmed
41) 2,4,6-Trichlorophenol	12.903	196	21730	3.282	ng/ul	94	
42) 2,4,5-Trichlorophenol	12.973	196	25510m	3.553	ng/ul		
43) 1,1'-Biphenyl	13.302	154	82418	3.737	ng/ul	97	
44) 2-Chloronaphthalene	13.344	162	64134	3.735	ng/ul	93	
45) 2-Nitroaniline	13.549	65	19169m	3.273	ng/ul		11/18/2024
47) Dimethylphthalate	13.925	163	83468	3.194	ng/ul#	98	
48) 2,6-Dinitrotoluene	14.043	165	15935	3.187	ng/ul#	90	
50) Acenaphthylene	14.190	152	112804	4.245	ng/ul	99	
51) 3-Nitroaniline	14.384	138	14804	3.392	ng/ul#	75	
52) Acenaphthene	14.536	153	71193	3.743	ng/ul	92	
53) 2,4-Dinitrophenol	14.595	184	11716m	3.554	ng/ul		
55) 4-Nitrophenol	14.701	109	22763	4.694	ng/ul	89	
56) Dibenzofuran	14.871	168	105271	3.616	ng/ul#	87	
57) 2,4-Dinitrotoluene	14.842	165	26099	3.300	ng/ul#	93	
58) 2,3,4,6-Tetrachlorophenol	15.106	232	24786m	3.334	ng/ul		
59) Diethylphthalate	15.294	149	91624	3.420	ng/ul	98	
61) Fluorene	15.523	166	93022	3.775	ng/ul	99	
62) 4-Chlorophenyl-phenyle...	15.518	204	57205	3.613	ng/ul	98	
63) 4-Nitroaniline	15.541	138	16263	3.681	ng/ul#	83	
66) 4,6-Dinitro-2-methylph...	15.606	198	23572	3.944	ng/ul#	94	
67) N-Nitrosodiphenylamine	15.729	169	76531	3.743	ng/ul	96	
68) 4-Bromophenyl-phenylether	16.416	248	37649	3.594	ng/ul	92	
69) Hexachlorobenzene	16.534	284	42380	3.797	ng/ul#	88	
70) Atrazine	16.681	200	44838	4.009	ng/ul	95	
71) Pentachlorophenol	16.881	266	26821	4.793	ng/ul	99	
72) Phenanthrene	17.262	178	172893	4.129	ng/ul	97	
74) Anthracene	17.357	178	154128m	3.593	ng/ul		
75) 1,2,3,4-Tetrachloroben...	13.267	216	41268	3.482	ng/ul	94	
76) Pentachlorobenzene	14.795	250	49256	3.898	ng/ul	92	
77) Carbazole	17.627	167	137701	3.867	ng/ul	99	
78) Di-n-butylphthalate	18.191	149	155838	3.847	ng/ul	99	
80) Fluoranthene	19.284	202	218899	4.157	ng/ul#	98	
82) Pyrene	19.648	202	223775	4.010	ng/ul#	95	
83) Butylbenzylphthalate	20.547	149	68392	4.193	ng/ul	97	
84) 3,3'-Dichlorobenzidine	21.381	252	93163	4.459	ng/ul#	92	
85) Benzo(a)anthracene	21.458	228	240083	3.907	ng/ul	99	
86) Bis(2-ethylhexyl)phtha...	21.375	149	104758	4.409	ng/ul	97	
87) Chrysene	21.522	228	225345	3.933	ng/ul	95	
89) Di-n-octyl phthalate	22.515	149	168804	4.300	ng/ul	100	
90) Benzo(b)fluoranthene	23.555	252	231636m	3.865	ng/ul		
91) Benzo(k)fluoranthene	23.614	252	234906	3.935	ng/ul	96	
93) Benzo(a)pyrene	24.372	252	218371	3.939	ng/ul#	98	
94) Indeno(1,2,3-cd)pyrene	27.926	276	246330m	3.622	ng/ul		
95) Dibenzo(a,h)anthracene	27.985	278	203286	3.667	ng/ul	98	
96) Benzo(g,h,i)perylene	28.990	276	202882m	3.935	ng/ul		

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

