

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091024\
 Data File : BG062733.D
 Acq On : 11 Sep 2024 13:14
 Operator : JU/RC
 Sample : P3391-05
 Misc : SFAM-MDL-Q3-ME SOIL-01
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MED-SOIL-QT3-2024-05

Quant Time: Sep 11 13:50:46 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG090924.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Sep 10 01:28:17 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/12/2024
 Supervised By :mohammad ahmed 09/13/2024

Supervised By :mohammad
 ahmed
 09/13/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.900	152	54671	20.000	ng/u1	0.00
20) Naphthalene-d8	10.691	136	227877	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.528	164	189509	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.272	188	531433	20.000	ng/u1	0.00
79) Chrysene-d12	21.520	240	576680	20.000	ng/u1	0.00
88) Perylene-d12	24.581	264	628089	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.359	96	5398	4.463	ng/uL	0.00
4) Pyridine-d5	3.764	84	84367	21.914	ng/u1	0.00
7) Phenol-d5	7.066	99	107498	22.423	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.231	67	62450	21.728	ng/u1	0.00
11) 2-Chlorophenol-d4	7.430	132	78130	22.374	ng/u1	0.00
15) 4-Methylphenol-d8	8.600	113	80630	20.183	ng/u1	-0.01
21) Nitrobenzene-d5	9.052	128	39996	24.557	ng/u1	0.00
24) 2-Nitrophenol-d4	9.775	143	45457	25.521	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.315	165	89376	23.041	ng/u1	0.00
31) 4-Chloroaniline-d4	10.826	131	107637	20.187	ng/u1	0.00
46) Dimethylphthalate-d6	13.934	166	317437	21.752	ng/u1	0.00
49) Acenaphthylene-d8	14.222	160	365182	22.531	ng/u1	0.00
54) 4-Nitrophenol-d4	14.722	143	55094	22.223	ng/u1	-0.01
60) Fluorene-d10	15.521	176	310842	23.637	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.638	200	61302	20.054	ng/u1	0.00
73) Anthracene-d10	17.372	188	488497	19.477	ng/u1	0.00
81) Pyrene-d10	19.663	212	733879	22.615	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.375	264	761665	22.966	ng/u1	0.00
Target Compounds						
2) 1,4-Dioxane	3.394	88	1558m	1.149	ng/uL	
5) Pyridine	3.782	79	17752	4.396	ng/u1#	78
6) Benzaldehyde	7.037	77	12846	4.874	ng/u1#	88
8) Phenol	7.090	94	22846	4.584	ng/u1	97
10) Bis(2-Chloroethyl)ether	7.319	93	17922	4.757	ng/u1	95
12) 2-Chlorophenol	7.466	128	16730	4.686	ng/u1	91
13) 2-Methylphenol	8.341	108	15907	4.257	ng/u1	92
14) 2,2'-oxybis(1-Chloropr...	8.417	45	30610	4.514	ng/u1#	93
16) Acetophenone	8.717	105	28881	4.448	ng/u1	95
17) N-Nitroso-di-n-propyla...	8.699	70	14220	4.184	ng/u1#	87
18) 4-Methylphenol	8.664	108	17808	4.236	ng/u1	84
19) Hexachloroethane	8.976	117	6693	4.657	ng/u1	85
22) Nitrobenzene	9.099	77	22543	5.116	ng/u1	94
23) Isophorone	9.610	82	42833	4.755	ng/u1	98
25) 2-Nitrophenol	9.810	139	10358	5.276	ng/u1	91
26) 2,4-Dimethylphenol	9.869	107	9289	2.214	ng/u1	90
27) Bis(2-Chloroethoxy)met...	10.098	93	23719	4.712	ng/u1	98
29) 2,4-Dichlorophenol	10.339	162	19202	5.026	ng/u1#	90
30) Naphthalene	10.738	128	57788	4.730	ng/u1	98
32) 4-Chloroaniline	10.850	127	24042	4.534	ng/u1	98
33) Hexachlorobutadiene	11.032	225	15661	4.921	ng/u1#	86
34) Caprolactam	11.590	113	10442m	7.416	ng/u1	
35) 4-Chloro-3-methylphenol	11.972	107	19397	4.654	ng/u1	98
36) 2-Methylnaphthalene	12.354	142	40707	4.514	ng/u1	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
37) 1-Methylnaphthalene	12.571	142	43826	4.745	ng/ul	97	09/12/2024
39) 1,2,4,5-Tetrachloroben...	12.718	216	30542	4.688	ng/ul	95	Supervised By :mohammad ahmed
40) Hexachlorocyclopentadiene	12.701	237	16369	4.910	ng/ul	99	
41) 2,4,6-Trichlorophenol	12.959	196	17562	4.450	ng/ul	93	
42) 2,4,5-Trichlorophenol	13.030	196	19876	4.691	ng/ul	96	
43) 1,1'-Biphenyl	13.359	154	60415	4.533	ng/ul	98	
44) 2-Chloronaphthalene	13.406	162	51869	4.786	ng/ul	98	09/13/2024
45) 2-Nitroaniline	13.600	65	13510	4.543	ng/ul	95	
47) Dimethylphthalate	13.981	163	72344	4.814	ng/ul	99	
48) 2,6-Dinitrotoluene	14.099	165	11907	4.497	ng/ul#	95	
50) Acenaphthylene	14.252	152	83253	4.865	ng/ul	100	
51) 3-Nitroaniline	14.428	138	10863	4.098	ng/ul	91	
52) Acenaphthene	14.592	153	58943	4.863	ng/ul	100	
53) 2,4-Dinitrophenol	14.634	184	12490	7.144	ng/ul	92	
55) 4-Nitrophenol	14.739	109	11026	4.948	ng/ul	93	
56) Dibenzofuran	14.927	168	85308	4.738	ng/ul	99	
57) 2,4-Dinitrotoluene	14.886	165	19236	4.647	ng/ul	95	
58) 2,3,4,6-Tetrachlorophenol	15.157	232	20863	4.859	ng/ul#	93	
59) Diethylphthalate	15.345	149	69303	4.674	ng/ul	99	
61) Fluorene	15.580	166	71876	5.081	ng/ul	95	
62) 4-Chlorophenyl-phenyle...	15.568	204	41965	5.058	ng/ul	97	
63) 4-Nitroaniline	15.591	138	12776	4.479	ng/ul	92	
66) 4,6-Dinitro-2-methylph...	15.650	198	14610	4.611	ng/ul#	90	
67) N-Nitrosodiphenylamine	15.785	169	59974	4.400	ng/ul	98	
68) 4-Bromophenyl-phenylether	16.467	248	28760	4.703	ng/ul	93	
69) Hexachlorobenzene	16.584	284	32938	4.717	ng/ul	92	
70) Atrazine	16.731	200	29256	4.820	ng/ul	98	
71) Pentachlorophenol	16.925	266	29493	7.062	ng/ul	95	
72) Phenanthrene	17.313	178	134598	4.870	ng/ul	99	
74) Anthracene	17.407	178	119736	4.250	ng/ul	98	
75) 1,2,3,4-Tetrachloroben...	13.329	216	30045	4.140	ng/ul	100	
76) Pentachlorobenzene	14.851	250	37699	4.688	ng/ul	94	
77) Carbazole	17.677	167	113331	4.851	ng/ul	96	
78) Di-n-butylphthalate	18.241	149	128869	4.664	ng/ul	99	
80) Fluoranthene	19.328	202	171316	4.767	ng/ul	99	
82) Pyrene	19.692	202	188837	4.881	ng/ul	99	
83) Butylbenzylphthalate	20.585	149	56171	4.891	ng/ul	95	
84) 3,3'-Dichlorobenzidine	21.420	252	72001	5.930	ng/ul	93	
85) Benzo(a)anthracene	21.502	228	190457	4.749	ng/ul	98	
86) Bis(2-ethylhexyl)phtha...	21.420	149	82221	4.862	ng/ul	100	
87) Chrysene	21.567	228	188295	4.948	ng/ul	99	
89) Di-n-octyl phthalate	22.577	149	137993	4.723	ng/ul	100	
90) Benzo(b)fluoranthene	23.611	252	192106	4.954	ng/ul	99	
91) Benzo(k)fluoranthene	23.670	252	194944	4.910	ng/ul	99	
93) Benzo(a)pyrene	24.434	252	179757	4.915	ng/ul	97	
94) Indeno(1,2,3-cd)pyrene	28.030	276	212945	4.725	ng/ul	96	
95) Dibenzo(a,h)anthracene	28.083	278	179317	4.954	ng/ul	98	
96) Benzo(g,h,i)perylene	29.099	276	174812	5.023	ng/ul	97	

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

