

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112224\
 Data File : BG063517.D
 Acq On : 22 Nov 2024 13:03
 Operator : RC/JU
 Sample : P4776-06
 Misc : MDL-SOIL-ME-QT4-2024
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MED-SOIL-QT4-2024-08

Quant Time: Nov 22 13:38:58 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112024.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Nov 20 14:52:38 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/25/2024
 Supervised By :mohammad ahmed 11/27/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.830	152	104352	20.000	ng/u1	0.00
20) Naphthalene-d8	10.621	136	412372	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.475	164	318937	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.225	188	800405	20.000	ng/u1	0.00
79) Chrysene-d12	21.484	240	890735	20.000	ng/u1	0.00
88) Perylene-d12	24.528	264	942296	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.300	96	8342	3.155	ng/uL	0.00
4) Pyridine-d5	3.705	84	82446	9.949	ng/u1	0.00
7) Phenol-d5	7.007	99	105981	12.349	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.160	67	70929	12.886	ng/u1	0.00
11) 2-Chlorophenol-d4	7.366	132	76790	12.625	ng/u1	0.00
15) 4-Methylphenol-d8	8.541	113	85048	11.859	ng/u1	0.00
21) Nitrobenzene-d5	8.981	128	39265	13.259	ng/u1	0.00
24) 2-Nitrophenol-d4	9.710	143	46271	12.648	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.250	165	93566	13.400	ng/u1	0.00
31) 4-Chloroaniline-d4	10.756	131	114115	12.921	ng/u1	0.00
46) Dimethylphthalate-d6	13.876	166	296589	13.699	ng/u1	0.00
49) Acenaphthylene-d8	14.164	160	344476	13.952	ng/u1	0.00
54) 4-Nitrophenol-d4	14.692	143	34297m	10.661	ng/u1	0.00
60) Fluorene-d10	15.468	176	275435	14.001	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.597	200	48617	10.804	ng/u1	0.00
73) Anthracene-d10	17.325	188	466837	13.425	ng/u1	0.00
81) Pyrene-d10	19.628	212	623301	13.960	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.316	264	628998	13.762	ng/u1	0.00
Target Compounds						
				Qvalue		
2) 1,4-Dioxane	3.341	88	3368m	1.079	ng/uL	
5) Pyridine	3.729	79	29457	3.493	ng/u1#	71
6) Benzaldehyde	6.966	77	23311	4.745	ng/u1	93
8) Phenol	7.031	94	40076	4.282	ng/u1	95
10) Bis(2-Chloroethyl)ether	7.254	93	27377	4.053	ng/u1#	83
12) 2-Chlorophenol	7.395	128	27019	4.162	ng/u1	99
13) 2-Methylphenol	8.276	108	29174	4.190	ng/u1	89
14) 2,2'-oxybis(1-Chloropr...	8.353	45	41753	4.219	ng/u1	97
16) Acetophenone	8.646	105	46783	4.129	ng/u1	91
17) N-Nitroso-di-n-propyla...	8.629	70	27285	4.310	ng/u1#	95
18) 4-Methylphenol	8.605	108	30561	4.002	ng/u1	92
19) Hexachloroethane	8.905	117	11465	4.089	ng/u1#	87
22) Nitrobenzene	9.028	77	40445	4.452	ng/u1	93
23) Isophorone	9.545	82	73340	4.421	ng/u1	95
25) 2-Nitrophenol	9.739	139	16095	4.434	ng/u1	93
26) 2,4-Dimethylphenol	9.804	107	31726	4.055	ng/u1	96
27) Bis(2-Chloroethoxy)met...	10.033	93	42369	4.614	ng/u1	93
29) 2,4-Dichlorophenol	10.280	162	30774	4.511	ng/u1	88
30) Naphthalene	10.668	128	95012	4.507	ng/u1#	93
32) 4-Chloroaniline	10.785	127	36693	4.348	ng/u1	98
33) Hexachlorobutadiene	10.956	225	27082	4.450	ng/u1	98
34) Caprolactam	11.543	113	8776m	3.817	ng/u1	
35) 4-Chloro-3-methylphenol	11.919	107	29772	4.288	ng/u1	94
36) 2-Methylnaphthalene	12.283	142	70882	4.737	ng/u1	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.501	142	67124	4.272	ng/ul#	93
39) 1,2,4,5-Tetrachloroben...	12.659	216	53148	4.742	ng/ul#	91
40) Hexachlorocyclopentadiene	12.636	237	21483	4.494	ng/ul	96
41) 2,4,6-Trichlorophenol	12.900	196	26010	4.229	ng/ul#	86
42) 2,4,5-Trichlorophenol	12.983	196	26421m	4.163	ng/ul	
43) 1,1'-Biphenyl	13.300	154	96397	4.554	ng/ul	97
44) 2-Chloronaphthalene	13.341	162	76811	4.618	ng/ul	90
45) 2-Nitroaniline	13.553	65	21341	4.071	ng/ul#	87
47) Dimethylphthalate	13.923	163	99962	4.739	ng/ul	100
48) 2,6-Dinitrotoluene	14.046	165	20432	4.774	ng/ul#	78
50) Acenaphthylene	14.193	152	118228	4.763	ng/ul	96
51) 3-Nitroaniline	14.381	138	16351	4.172	ng/ul#	93
52) Acenaphthene	14.534	153	84861	4.734	ng/ul	90
53) 2,4-Dinitrophenol	14.604	184	9575m	4.358	ng/ul	
55) 4-Nitrophenol	14.704	109	15531m	4.154	ng/ul	
56) Dibenzofuran	14.874	168	123859	4.816	ng/ul	96
57) 2,4-Dinitrotoluene	14.839	165	27728	4.234	ng/ul#	93
58) 2,3,4,6-Tetrachlorophenol	15.110	232	21113	3.501	ng/ul#	87
59) Diethylphthalate	15.292	149	98788	4.636	ng/ul	99
61) Fluorene	15.527	166	102408	4.677	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.515	204	62060	4.750	ng/ul	96
63) 4-Nitroaniline	15.550	138	18750	4.673	ng/ul#	58
66) 4,6-Dinitro-2-methylph...	15.615	198	19643	4.085	ng/ul#	96
67) N-Nitrosodiphenylamine	15.732	169	84801	4.462	ng/ul	90
68) 4-Bromophenyl-phenylether	16.414	248	39198	4.371	ng/ul	97
69) Hexachlorobenzene	16.531	284	40412	4.298	ng/ul	94
70) Atrazine	16.684	200	42581	4.638	ng/ul	95
71) Pentachlorophenol	16.890	266	19612m	4.460	ng/ul	
72) Phenanthrene	17.272	178	173980	4.560	ng/ul	98
74) Anthracene	17.360	178	177136m	4.546	ng/ul	
75) 1,2,3,4-Tetrachloroben...	13.270	216	49113	4.217	ng/ul#	83
76) Pentachlorobenzene	14.798	250	46779	4.067	ng/ul	94
77) Carbazole	17.636	167	147058	4.549	ng/ul	98
78) Di-n-butylphthalate	18.194	149	162064	4.373	ng/ul	98
80) Fluoranthene	19.293	202	224201	4.541	ng/ul	99
82) Pyrene	19.657	202	238039	4.500	ng/ul	99
83) Butylbenzylphthalate	20.550	149	74539	4.342	ng/ul	92
84) 3,3'-Dichlorobenzidine	21.390	252	87857	4.592	ng/ul#	97
85) Benzo(a)anthracene	21.467	228	263767	4.580	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.384	149	107031	4.289	ng/ul	100
87) Chrysene	21.531	228	250861	4.658	ng/ul	95
89) Di-n-octyl phthalate	22.530	149	190302	4.552	ng/ul	100
90) Benzo(b)fluoranthene	23.564	252	255654	4.519	ng/ul#	97
91) Benzo(k)fluoranthene	23.635	252	266481	4.694	ng/ul	97
93) Benzo(a)pyrene	24.381	252	237116	4.478	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	27.959	276	287746	4.381	ng/ul	99
95) Dibenzo(a,h)anthracene	28.006	278	244667m	4.557	ng/ul	
96) Benzo(g,h,i)perylene	29.034	276	218217	4.382	ng/ul	97

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

