

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121224\
 Data File : BM048969.D
 Acq On : 12 Dec 2024 13:00
 Operator : RC/JU
 Sample : P4776-05
 Misc : MDL-SOIL-ME-QT4-2024
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-MED-SOIL-QT4-2024-07

Quant Time: Dec 12 23:19:16 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM121124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 12 00:53:37 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.569	152	225552	20.000	ng/u1	0.00
20) Naphthalene-d8	10.339	136	871266	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.204	164	470254	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.957	188	882470	20.000	ng/u1	0.00
79) Chrysene-d12	21.180	240	735461	20.000	ng/u1	0.00
88) Perylene-d12	23.986	264	784093	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.152	96	19703	3.074	ng/uL	0.00
4) Pyridine-d5	3.546	84	216862	11.378	ng/u1	0.00
7) Phenol-d5	6.757	99	224129	11.399	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.916	67	163175	12.220	ng/u1	0.00
11) 2-Chlorophenol-d4	7.110	132	172840	12.115	ng/u1	0.00
15) 4-Methylphenol-d8	8.275	113	156573	10.668	ng/u1	0.00
21) Nitrobenzene-d5	8.710	128	75931	12.152	ng/u1	0.00
24) 2-Nitrophenol-d4	9.428	143	64447	11.157	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.963	165	141862	11.539	ng/u1	0.00
31) 4-Chloroaniline-d4	10.475	131	202960	10.589	ng/u1	0.00
46) Dimethylphthalate-d6	13.627	166	387484	11.967	ng/u1	0.00
49) Acenaphthylene-d8	13.898	160	477318	12.077	ng/u1	0.00
54) 4-Nitrophenol-d4	14.410	143	54324	8.756	ng/u1	0.00
60) Fluorene-d10	15.204	176	336100	11.977	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.321	200	31761	6.899	ng/u1	0.00
73) Anthracene-d10	17.051	188	460884	10.656	ng/u1	0.00
81) Pyrene-d10	19.351	212	533737	12.926	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.797	264	480434	11.959	ng/u1	0.00
Target Compounds						
2) 1,4-Dioxane	3.187	88	7216m	1.057	ng/uL	
5) Pyridine	3.563	79	72778	3.654	ng/u1#	86
6) Benzaldehyde	6.722	77	47638	4.544	ng/u1	99
8) Phenol	6.781	94	82761	3.905	ng/u1	97
10) Bis(2-Chloroethyl)ether	7.010	93	67337	4.018	ng/u1	98
12) 2-Chlorophenol	7.140	128	59994	3.983	ng/u1	98
13) 2-Methylphenol	8.016	108	48782	3.354	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.098	45	101143	4.078	ng/u1	97
16) Acetophenone	8.387	105	93437	3.784	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.375	70	43531	3.617	ng/u1	97
18) 4-Methylphenol	8.340	108	56735	3.549	ng/u1	100
19) Hexachloroethane	8.634	117	26477	4.067	ng/u1	95
22) Nitrobenzene	8.757	77	70799	4.133	ng/u1	98
23) Isophorone	9.281	82	110308	3.642	ng/u1	99
25) 2-Nitrophenol	9.463	139	25408	3.729	ng/u1	97
26) 2,4-Dimethylphenol	9.528	107	35812m	2.531	ng/u1	
27) Bis(2-Chloroethoxy)met...	9.769	93	75370	3.893	ng/u1	99
29) 2,4-Dichlorophenol	9.992	162	49274	3.878	ng/u1	96
30) Naphthalene	10.386	128	188353	4.069	ng/u1	100
32) 4-Chloroaniline	10.498	127	67796	3.675	ng/u1	99
33) Hexachlorobutadiene	10.681	225	32685	3.985	ng/u1	99
34) Caprolactam	11.275	113	12105m	3.024	ng/u1	
35) 4-Chloro-3-methylphenol	11.633	107	39772	3.272	ng/u1	97
36) 2-Methylnaphthalene	12.010	142	112379	3.833	ng/u1	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.228	142	105397	3.597	ng/ul	97
39) 1,2,4,5-Tetrachloroben...	12.380	216	57637	4.004	ng/ul	96
40) Hexachlorocyclopentadiene	12.369	237	26655	2.982	ng/ul	94
41) 2,4,6-Trichlorophenol	12.627	196	25682	3.180	ng/ul	96
42) 2,4,5-Trichlorophenol	12.698	196	29459	3.313	ng/ul	95
43) 1,1'-Biphenyl	13.039	154	145620	4.091	ng/ul	99
44) 2-Chloronaphthalene	13.075	162	118560	4.192	ng/ul	96
45) 2-Nitroaniline	13.280	65	22400	3.087	ng/ul	98
47) Dimethylphthalate	13.674	163	125625	3.878	ng/ul#	98
48) 2,6-Dinitrotoluene	13.786	165	15624	2.860	ng/ul#	95
50) Acenaphthylene	13.922	152	178781	4.156	ng/ul	99
51) 3-Nitroaniline	14.116	138	17917m	2.816	ng/ul	
52) Acenaphthene	14.269	153	117859	3.862	ng/ul	98
53) 2,4-Dinitrophenol	14.322	184	9918	3.476	ng/ul	97
55) 4-Nitrophenol	14.427	109	16548m	3.640	ng/ul	
56) Dibenzofuran	14.610	168	164100	3.995	ng/ul	99
57) 2,4-Dinitrotoluene	14.574	165	25041	3.101	ng/ul	91
58) 2,3,4,6-Tetrachlorophenol	14.839	232	21954	3.374	ng/ul#	90
59) Diethylphthalate	15.051	149	113196	3.628	ng/ul	99
61) Fluorene	15.257	166	126068	3.712	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.263	204	60196	3.658	ng/ul	96
63) 4-Nitroaniline	15.280	138	17426m	2.875	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.339	198	14776	2.883	ng/ul#	95
67) N-Nitrosodiphenylamine	15.474	169	93090	3.462	ng/ul	97
68) 4-Bromophenyl-phenylether	16.157	248	31646	3.640	ng/ul	91
69) Hexachlorobenzene	16.263	284	39350	3.765	ng/ul	98
70) Atrazine	16.439	200	29355	2.978	ng/ul	98
71) Pentachlorophenol	16.610	266	23546	3.639	ng/ul	98
72) Phenanthrene	16.998	178	190493	3.732	ng/ul	98
74) Anthracene	17.086	178	180104	3.504	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	12.992	216	51928	3.629	ng/uL	97
76) Pentachlorobenzene	14.527	250	46974	3.384	ng/uL	95
77) Carbazole	17.357	167	157144	3.242	ng/ul	99
78) Di-n-butylphthalate	17.945	149	157225	3.229	ng/ul	99
80) Fluoranthene	19.015	202	188603	3.885	ng/ul	98
82) Pyrene	19.380	202	215764	4.029	ng/ul#	96
83) Butylbenzylphthalate	20.309	149	56317	3.445	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.098	252	24809	1.943	ng/ul	94
85) Benzo(a)anthracene	21.162	228	194989	3.953	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.121	149	75996	3.218	ng/ul	99
87) Chrysene	21.215	228	188546	4.061	ng/ul	98
89) Di-n-octyl phthalate	22.197	149	108195	2.294	ng/ul	100
90) Benzo(b)fluoranthene	23.103	252	175331	3.536	ng/ul	97
91) Benzo(k)fluoranthene	23.162	252	178293	3.599	ng/ul	97
93) Benzo(a)pyrene	23.856	252	161240	3.497	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	27.097	276	215770	3.788	ng/ul	99
95) Dibenzo(a,h)anthracene	27.168	278	180711m	3.882	ng/ul	
96) Benzo(g,h,i)perylene	28.068	276	172694m	3.949	ng/ul	

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

