

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121324\
 Data File : BM048977.D
 Acq On : 13 Dec 2024 11:51
 Operator : RC/JU
 Sample : P4776-04
 Misc : MDL-SOIL-QT4-2024
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-QT4-2024-08

Quant Time: Dec 14 00:26:41 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 12/14/2024
 Supervised By :mohammad ahmed 12/14/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.569	152	204403	20.000	ng/u1	0.00
20) Naphthalene-d8	10.333	136	805389	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.210	164	438589	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.951	188	843616	20.000	ng/u1	0.00
79) Chrysene-d12	21.174	240	713740	20.000	ng/u1	0.00
88) Perylene-d12	23.985	264	738713	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.151	96	18380	3.165	ng/uL	0.00
4) Pyridine-d5	3.546	84	199535	11.552	ng/u1	0.00
7) Phenol-d5	6.757	99	211078	11.846	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.916	67	153752	12.706	ng/u1	0.00
11) 2-Chlorophenol-d4	7.110	132	160485	12.413	ng/u1	0.00
15) 4-Methylphenol-d8	8.275	113	145320	10.926	ng/u1	0.00
21) Nitrobenzene-d5	8.716	128	69889	12.100	ng/u1	0.00
24) 2-Nitrophenol-d4	9.428	143	58496	10.955	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.963	165	129883	11.429	ng/u1	0.00
31) 4-Chloroaniline-d4	10.475	131	189867	10.716	ng/u1	0.00
46) Dimethylphthalate-d6	13.627	166	357012	11.822	ng/u1	0.00
49) Acenaphthylene-d8	13.898	160	446362	12.109	ng/u1	0.00
54) 4-Nitrophenol-d4	14.415	143	51185	8.846	ng/u1	0.00
60) Fluorene-d10	15.204	176	318329	12.163	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.321	200	29006	6.591	ng/u1	0.00
73) Anthracene-d10	17.051	188	439977	10.641	ng/u1	0.00
81) Pyrene-d10	19.350	212	512473	12.789	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.791	264	445739	11.776	ng/u1	-0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.187	88	6576m	1.063	ng/uL	
5) Pyridine	3.563	79	67970	3.766	ng/u1#	87
6) Benzaldehyde	6.728	77	44890	4.725	ng/u1	97
8) Phenol	6.781	94	76282	3.972	ng/u1	96
10) Bis(2-Chloroethyl)ether	7.010	93	62945	4.144	ng/u1	97
12) 2-Chlorophenol	7.139	128	55655	4.077	ng/u1	97
13) 2-Methylphenol	8.016	108	46230	3.507	ng/u1	95
14) 2,2'-oxybis(1-Chloropr...	8.092	45	93182	4.145	ng/u1	99
16) Acetophenone	8.386	105	85858	3.837	ng/u1	97
17) N-Nitroso-di-n-propyla...	8.375	70	39702	3.641	ng/u1	97
18) 4-Methylphenol	8.339	108	51528	3.557	ng/u1	99
19) Hexachloroethane	8.633	117	24839	4.210	ng/u1	98
22) Nitrobenzene	8.757	77	64228	4.056	ng/u1	97
23) Isophorone	9.281	82	101871	3.639	ng/u1	99
25) 2-Nitrophenol	9.457	139	23070	3.663	ng/u1	99
26) 2,4-Dimethylphenol	9.533	107	28949	2.214	ng/u1	94
27) Bis(2-Chloroethoxy)met...	9.769	93	69784	3.900	ng/u1	95
29) 2,4-Dichlorophenol	9.986	162	46234	3.936	ng/u1	96
30) Naphthalene	10.386	128	174792	4.085	ng/u1	99
32) 4-Chloroaniline	10.498	127	61708	3.618	ng/u1	100
33) Hexachlorobutadiene	10.680	225	30102	3.971	ng/u1	94
34) Caprolactam	11.286	113	11150m	3.013	ng/u1	
35) 4-Chloro-3-methylphenol	11.633	107	35567	3.166	ng/u1	98
36) 2-Methylnaphthalene	12.004	142	102916	3.797	ng/u1	100

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37) 1-Methylnaphthalene	12.227	142	95111	3.512	ng/ul#	98	12/14/2024
39) 1,2,4,5-Tetrachloroben...	12.380	216	53877	4.013	ng/ul	96	Supervised By :mohammad ahmed
40) Hexachlorocyclopentadiene	12.369	237	22196	2.662	ng/ul	98	
41) 2,4,6-Trichlorophenol	12.627	196	25284	3.357	ng/ul	98	
42) 2,4,5-Trichlorophenol	12.692	196	26946	3.250	ng/ul	94	
43) 1,1'-Biphenyl	13.039	154	134214	4.043	ng/ul	99	
44) 2-Chloronaphthalene	13.068	162	107509	4.076	ng/ul	98	12/14/2024
45) 2-Nitroaniline	13.280	65	19770	2.922	ng/ul	98	
47) Dimethylphthalate	13.674	163	116145	3.844	ng/ul	100	
48) 2,6-Dinitrotoluene	13.786	165	14207	2.789	ng/ul#	94	
50) Acenaphthylene	13.921	152	166373	4.147	ng/ul	98	
51) 3-Nitroaniline	14.115	138	15813m	2.665	ng/ul		
52) Acenaphthene	14.268	153	111321	3.911	ng/ul	99	
53) 2,4-Dinitrophenol	14.321	184	8402	3.157	ng/ul	91	
55) 4-Nitrophenol	14.427	109	11997	2.829	ng/ul	89	
56) Dibenzofuran	14.610	168	154195	4.025	ng/ul	99	
57) 2,4-Dinitrotoluene	14.574	165	23524	3.123	ng/ul	96	
58) 2,3,4,6-Tetrachlorophenol	14.839	232	19920	3.282	ng/ul#	99	
59) Diethylphthalate	15.051	149	107795	3.704	ng/ul	98	
61) Fluorene	15.257	166	120964	3.819	ng/ul	98	
62) 4-Chlorophenyl-phenyle...	15.262	204	55754	3.633	ng/ul	96	
63) 4-Nitroaniline	15.280	138	15897m	2.812	ng/ul		
66) 4,6-Dinitro-2-methylph...	15.339	198	13471	2.749	ng/ul	94	
67) N-Nitrosodiphenylamine	15.474	169	90237	3.511	ng/ul	97	
68) 4-Bromophenyl-phenylether	16.157	248	29138	3.506	ng/ul	89	
69) Hexachlorobenzene	16.262	284	35083	3.511	ng/ul	97	
70) Atrazine	16.439	200	27354	2.903	ng/ul	96	
71) Pentachlorophenol	16.609	266	22335	3.611	ng/ul	95	
72) Phenanthrene	16.992	178	179586	3.680	ng/ul	100	
74) Anthracene	17.086	178	172221	3.505	ng/ul	100	
75) 1,2,3,4-Tetrachloroben...	12.992	216	48100	3.516	ng/uL	97	
76) Pentachlorobenzene	14.527	250	43348	3.267	ng/uL	96	
77) Carbazole	17.356	167	153533	3.313	ng/ul	100	
78) Di-n-butylphthalate	17.945	149	154356	3.316	ng/ul	100	
80) Fluoranthene	19.015	202	183868	3.902	ng/ul	97	
82) Pyrene	19.380	202	208363	4.009	ng/ul#	95	
83) Butylbenzylphthalate	20.309	149	54181	3.416	ng/ul	96	
84) 3,3'-Dichlorobenzidine	21.097	252	20378m	1.645	ng/ul		
85) Benzo(a)anthracene	21.162	228	189029	3.949	ng/ul	99	
86) Bis(2-ethylhexyl)phtha...	21.121	149	74117	3.234	ng/ul	100	
87) Chrysene	21.215	228	177661	3.943	ng/ul	99	
89) Di-n-octyl phthalate	22.191	149	100966	2.272	ng/ul	100	
90) Benzo(b)fluoranthene	23.103	252	166095	3.555	ng/ul	97	
91) Benzo(k)fluoranthene	23.162	252	166303	3.563	ng/ul	98	
93) Benzo(a)pyrene	23.850	252	157490	3.626	ng/ul	98	
94) Indeno(1,2,3-cd)pyrene	27.091	276	204534	3.811	ng/ul	98	
95) Dibenzo(a,h)anthracene	27.150	278	168563m	3.844	ng/ul		
96) Benzo(g,h,i)perylene	28.068	276	167880m	4.075	ng/ul		

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

