

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121324\
 Data File : BM048978.D
 Acq On : 13 Dec 2024 12:30
 Operator : RC/JU
 Sample : P4776-06
 Misc : MDL-SOIL-ME-QT4-2024
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Dec 13 14:16:21 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	234258	20.000	ng/u1	0.00
20) Naphthalene-d8	10.334	136	918120	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.204	164	483190	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.951	188	921953	20.000	ng/u1	0.00
79) Chrysene-d12	21.174	240	776349	20.000	ng/u1	0.00
88) Perylene-d12	23.980	264	817845	20.000	ng/u1	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.152	96	22782	3.423	ng/uL	0.00
4) Pyridine-d5	3.546	84	227971	11.516	ng/u1	0.00
7) Phenol-d5	6.757	99	238735	11.691	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.916	67	174360	12.572	ng/u1	0.00
11) 2-Chlorophenol-d4	7.110	132	185900	12.546	ng/u1	0.00
15) 4-Methylphenol-d8	8.275	113	163181	10.705	ng/u1	0.00
21) Nitrobenzene-d5	8.716	128	80070	12.160	ng/u1	0.00
24) 2-Nitrophenol-d4	9.428	143	66447	10.916	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.963	165	148536	11.466	ng/u1	0.00
31) 4-Chloroaniline-d4	10.475	131	213953	10.593	ng/u1	0.00
46) Dimethylphthalate-d6	13.627	166	403492	12.128	ng/u1	0.00
49) Acenaphthylene-d8	13.892	160	499888	12.309	ng/u1	0.00
54) 4-Nitrophenol-d4	14.410	143	56702	8.895	ng/u1	0.00
60) Fluorene-d10	15.204	176	356343	12.358	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.321	200	31730	6.597	ng/u1	0.00
73) Anthracene-d10	17.051	188	478391	10.587	ng/u1	0.00
81) Pyrene-d10	19.351	212	555458	12.744	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.791	264	498737	11.902	ng/u1	-0.01
Target Compounds						
2) 1,4-Dioxane	3.187	88	7104m	1.002	ng/uL	
5) Pyridine	3.563	79	78014	3.772	ng/u1#	83
6) Benzaldehyde	6.722	77	51130	4.696	ng/u1	96
8) Phenol	6.781	94	88312	4.012	ng/u1	99
10) Bis(2-Chloroethyl)ether	7.010	93	73225	4.207	ng/u1	98
12) 2-Chlorophenol	7.140	128	65297	4.174	ng/u1	94
13) 2-Methylphenol	8.016	108	50550	3.346	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.092	45	106114	4.119	ng/u1	99
16) Acetophenone	8.387	105	99988	3.899	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.375	70	44804	3.585	ng/u1	96
18) 4-Methylphenol	8.340	108	59797	3.602	ng/u1	96
19) Hexachloroethane	8.640	117	28097	4.155	ng/u1	97
22) Nitrobenzene	8.751	77	73243	4.057	ng/u1	96
23) Isophorone	9.281	82	117314	3.676	ng/u1	99
25) 2-Nitrophenol	9.457	139	26546	3.697	ng/u1	97
26) 2,4-Dimethylphenol	9.534	107	33864	2.271	ng/u1	97
27) Bis(2-Chloroethoxy)met...	9.769	93	79335	3.889	ng/u1	96
29) 2,4-Dichlorophenol	9.986	162	52948	3.954	ng/u1	90
30) Naphthalene	10.386	128	198781	4.075	ng/u1	98
32) 4-Chloroaniline	10.498	127	71850	3.695	ng/u1	97
33) Hexachlorobutadiene	10.681	225	34846	4.032	ng/u1	97
34) Caprolactam	11.286	113	13267m	3.145	ng/u1	
35) 4-Chloro-3-methylphenol	11.633	107	41739	3.259	ng/u1	97
36) 2-Methylnaphthalene	12.004	142	119627	3.872	ng/u1	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.228	142	108920	3.528	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.380	216	60184	4.069	ng/ul	98
40) Hexachlorocyclopentadiene	12.369	237	24274	2.643	ng/ul	97
41) 2,4,6-Trichlorophenol	12.628	196	26847	3.235	ng/ul	99
42) 2,4,5-Trichlorophenol	12.698	196	30256	3.312	ng/ul	92
43) 1,1'-Biphenyl	13.033	154	148056	4.048	ng/ul	96
44) 2-Chloronaphthalene	13.069	162	119654	4.117	ng/ul	98
45) 2-Nitroaniline	13.280	65	22289m	2.990	ng/ul	
47) Dimethylphthalate	13.674	163	130580	3.923	ng/ul	99
48) 2,6-Dinitrotoluene	13.786	165	16284	2.901	ng/ul#	91
50) Acenaphthylene	13.922	152	183915	4.161	ng/ul	98
51) 3-Nitroaniline	14.110	138	18900m	2.891	ng/ul	
52) Acenaphthene	14.269	153	127287	4.060	ng/ul	100
53) 2,4-Dinitrophenol	14.316	184	9204	3.140	ng/ul	94
55) 4-Nitrophenol	14.427	109	16339m	3.498	ng/ul	
56) Dibenzofuran	14.610	168	172896	4.097	ng/ul	95
57) 2,4-Dinitrotoluene	14.574	165	26494	3.193	ng/ul	98
58) 2,3,4,6-Tetrachlorophenol	14.839	232	22497	3.365	ng/ul	99
59) Diethylphthalate	15.051	149	118996	3.712	ng/ul	99
61) Fluorene	15.257	166	134272	3.848	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.263	204	62591	3.702	ng/ul	97
63) 4-Nitroaniline	15.280	138	18221m	2.926	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.333	198	14862	2.775	ng/ul#	97
67) N-Nitrosodiphenylamine	15.474	169	101727	3.621	ng/ul	95
68) 4-Bromophenyl-phenylether	16.157	248	31736	3.494	ng/ul	94
69) Hexachlorobenzene	16.263	284	40418	3.702	ng/ul	98
70) Atrazine	16.439	200	30979	3.008	ng/ul	96
71) Pentachlorophenol	16.610	266	23742	3.513	ng/ul	98
72) Phenanthrene	16.992	178	199650	3.744	ng/ul	99
74) Anthracene	17.086	178	181894	3.387	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	12.992	216	53646	3.588	ng/uL	93
76) Pentachlorobenzene	14.527	250	47928	3.305	ng/uL	98
77) Carbazole	17.357	167	165804	3.274	ng/ul	98
78) Di-n-butylphthalate	17.945	149	165618	3.256	ng/ul	99
80) Fluoranthene	19.015	202	197956	3.863	ng/ul	99
82) Pyrene	19.380	202	225664	3.991	ng/ul	95
83) Butylbenzylphthalate	20.309	149	60999	3.535	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.098	252	30395m	2.255	ng/ul	
85) Benzo(a)anthracene	21.156	228	209871	4.031	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.121	149	84205	3.378	ng/ul	98
87) Chrysene	21.215	228	194958	3.978	ng/ul	99
89) Di-n-octyl phthalate	22.192	149	113736	2.312	ng/ul	100
90) Benzo(b)fluoranthene	23.097	252	181864	3.516	ng/ul	98
91) Benzo(k)fluoranthene	23.162	252	188492	3.648	ng/ul	100
93) Benzo(a)pyrene	23.850	252	168972	3.514	ng/ul	96
94) Indeno(1,2,3-cd)pyrene	27.097	276	232589	3.914	ng/ul	97
95) Dibenzo(a,h)anthracene	27.156	278	191516	3.945	ng/ul	97
96) Benzo(g,h,i)perylene	28.068	276	182693	4.005	ng/ul	94

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

