

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM030624\
 Data File : BM044552.D
 Acq On : 07 Mar 2024 15:53
 Operator : MA/JU
 Sample : P1601-05
 Misc : SFAM-MDL-ME SOIL-01
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-MED-SOIL-QT1-2024-01

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 03/08/2024
 Supervised By :mohammad ahmed 03/09/2024

Quant Time: Mar 07 17:27:06 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM030524.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Mar 05 23:05:11 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.722	152	276839	20.000	ng/u1	-0.01
20) Naphthalene-d8	10.498	136	1251199	20.000	ng/u1	-0.02
38) Acenaphthene-d10	14.363	164	791589	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.115	188	1687181	20.000	ng/u1	0.00
79) Chrysene-d12	21.309	240	1524206	20.000	ng/u1	0.00
88) Perylene-d12	23.568	264	1464924	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.275	96	36486	4.470	ng/uL	-0.01
4) Pyridine-d5	3.669	84	515846	21.472	ng/u1	-0.01
7) Phenol-d5	6.893	99	594099	20.873	ng/u1	-0.01
9) Bis-(2-Chloroethyl)eth...	7.069	67	382209	21.740	ng/u1	-0.01
11) 2-Chlorophenol-d4	7.251	132	453876	21.700	ng/u1	-0.02
15) 4-Methylphenol-d8	8.422	113	454268	20.323	ng/u1	-0.02
21) Nitrobenzene-d5	8.881	128	238803	22.666	ng/u1	-0.01
24) 2-Nitrophenol-d4	9.592	143	258301	22.742	ng/u1	-0.01
28) 2,4-Dichlorophenol-d3	10.122	165	425896	22.033	ng/u1	-0.02
31) 4-Chloroaniline-d4	10.645	131	671098	20.903	ng/u1	-0.02
46) Dimethylphthalate-d6	13.786	166	1338481	21.555	ng/u1	0.00
49) Acenaphthylene-d8	14.057	160	1548818	21.810	ng/u1	0.00
54) 4-Nitrophenol-d4	14.574	143	259483	20.150	ng/u1	0.00
60) Fluorene-d10	15.363	176	1172592	22.471	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.486	200	204120	18.638	ng/u1	0.00
73) Anthracene-d10	17.215	188	1689118	20.945	ng/u1	0.00
81) Pyrene-d10	19.515	212	2016897	21.575	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.427	264	1697505	22.046	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.310	88	9184	1.087	ng/uL	86
5) Pyridine	3.693	79	99383	3.989	ng/u1#	63
6) Benzaldehyde	6.881	77	73238	5.908	ng/u1	93
8) Phenol	6.916	94	121486	4.182	ng/u1	100
10) Bis(2-Chloroethyl)ether	7.163	93	102000	4.276	ng/u1	96
12) 2-Chlorophenol	7.281	128	91781	4.254	ng/u1	97
13) 2-Methylphenol	8.157	108	85454	3.877	ng/u1	95
14) 2,2'-oxybis(1-Chloropr...	8.245	45	143555	4.557	ng/u1	99
16) Acetophenone	8.545	105	149126	4.302	ng/u1	93
17) N-Nitroso-di-n-propyla...	8.528	70	77530	4.329	ng/u1	99
18) 4-Methylphenol	8.487	108	95023	3.960	ng/u1	96
19) Hexachloroethane	8.781	117	38081	4.309	ng/u1	89
22) Nitrobenzene	8.922	77	111354	4.457	ng/u1	97
23) Isophorone	9.445	82	212323	4.165	ng/u1	99
25) 2-Nitrophenol	9.622	139	53308	4.305	ng/u1	96
26) 2,4-Dimethylphenol	9.681	107	72867	3.234	ng/u1	98
27) Bis(2-Chloroethoxy)met...	9.934	93	138232	4.312	ng/u1	100
29) 2,4-Dichlorophenol	10.151	162	85046	4.407	ng/u1	96
30) Naphthalene	10.551	128	316341	4.464	ng/u1	99
32) 4-Chloroaniline	10.669	127	131693	4.255	ng/u1	99
33) Hexachlorobutadiene	10.822	225	50976	4.713	ng/u1	99
34) Caprolactam	11.480	113	29867m	3.974	ng/u1	
35) 4-Chloro-3-methylphenol	11.792	107	90554	4.046	ng/u1	99
36) 2-Methylnaphthalene	12.169	142	212066	4.500	ng/u1	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM030624\
 Data File : BM044552.D
 Acq On : 07 Mar 2024 15:53
 Operator : MA/JU
 Sample : P1601-05
 Misc : SFAM-MDL-ME SOIL-01
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-MED-SOIL-QT1-2024-01

Quant Time: Mar 07 17:27:06 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM030524.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Mar 05 23:05:11 2024
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 03/08/2024
 Supervised By :mohammad ahmed 03/09/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.392	142	218419	4.698	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.533	216	99667	4.426	ng/ul	97
40) Hexachlorocyclopentadiene	12.504	237	54476	3.644	ng/ul	98
41) 2,4,6-Trichlorophenol	12.786	196	61758	3.912	ng/ul	97
42) 2,4,5-Trichlorophenol	12.857	196	65462	3.869	ng/ul	98
43) 1,1'-Biphenyl	13.192	154	276349	4.396	ng/ul	98
44) 2-Chloronaphthalene	13.233	162	213190	4.322	ng/ul	99
45) 2-Nitroaniline	13.451	65	59084	3.815	ng/ul	95
47) Dimethylphthalate	13.833	163	267638	4.236	ng/ul	100
48) 2,6-Dinitrotoluene	13.957	165	46785	3.707	ng/ul	97
50) Acenaphthylene	14.086	152	361326	4.365	ng/ul	99
51) 3-Nitroaniline	14.286	138	49746	3.649	ng/ul	93
52) Acenaphthene	14.427	153	236688	4.350	ng/ul	99
53) 2,4-Dinitrophenol	14.492	184	33795	4.186	ng/ul	95
55) 4-Nitrophenol	14.586	109	41257	4.573	ng/ul	94
56) Dibenzofuran	14.763	168	324101	4.478	ng/ul	98
57) 2,4-Dinitrotoluene	14.745	165	69438	3.811	ng/ul	92
58) 2,3,4,6-Tetrachlorophenol	14.992	232	57062	4.075	ng/ul	95
59) Diethylphthalate	15.204	149	265337	4.046	ng/ul	98
61) Fluorene	15.416	166	266732	4.506	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.416	204	126540	4.606	ng/ul	99
63) 4-Nitroaniline	15.451	138	52270m	4.012	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.504	198	52533	4.489	ng/ul#	90
67) N-Nitrosodiphenylamine	15.633	169	213961	4.211	ng/ul	98
68) 4-Bromophenyl-phenylether	16.315	248	74157	4.394	ng/ul	99
69) Hexachlorobenzene	16.410	284	88281	4.593	ng/ul	92
70) Atrazine	16.592	200	81473	4.906	ng/ul	98
71) Pentachlorophenol	16.762	266	58848	4.636	ng/ul	98
72) Phenanthrene	17.162	178	412101	4.306	ng/ul	99
74) Anthracene	17.251	178	402841	4.162	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.151	216	96497	4.282	ng/uL	99
76) Pentachlorobenzene	14.674	250	108150	4.964	ng/uL	98
77) Carbazole	17.527	167	374555	4.118	ng/ul	99
78) Di-n-butylphthalate	18.098	149	439819	3.595	ng/ul	100
80) Fluoranthene	19.180	202	460736	4.138	ng/ul	97
82) Pyrene	19.545	202	496848	4.287	ng/ul	97
83) Butylbenzylphthalate	20.462	149	178759	3.137	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.239	252	155597	4.719	ng/ul	98
85) Benzo(a)anthracene	21.297	228	461679	4.033	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.245	149	278547	3.352	ng/ul	99
87) Chrysene	21.350	228	435975	4.114	ng/ul	100
89) Di-n-octyl phthalate	22.133	149	470438	3.588	ng/ul	100
90) Benzo(b)fluoranthene	22.892	252	409146	4.174	ng/ul	99
91) Benzo(k)fluoranthene	22.933	252	423708	4.413	ng/ul	99
93) Benzo(a)pyrene	23.468	252	379989	4.144	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	25.844	276	394459	3.835	ng/ul	98
95) Dibenzo(a,h)anthracene	25.862	278	330697	3.856	ng/ul	96
96) Benzo(g,h,i)perylene	26.538	276	310241	3.780	ng/ul	97

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

