

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060424\
 Data File : BM045815.D
 Acq On : 04 Jun 2024 13:48
 Operator : MA/JU
 Sample : P2409-06
 Misc : SFAM-ME-SOIL-MDL-02
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-MED-SOIL-QT2-2024-04

Quant Time: Jun 04 15:11:17 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM053124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 31 13:01:11 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 06/04/2024
 Supervised By :mohammad ahmed 06/07/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.469	152	300985	20.000	ng/u1	0.00
20) Naphthalene-d8	10.234	136	1287057	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.110	164	819532	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.857	188	1695871	20.000	ng/u1	0.00
79) Chrysene-d12	21.068	240	1245622	20.000	ng/u1	0.00
88) Perylene-d12	23.786	264	1066429	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.058	96	38018	4.897	ng/uL	0.00
4) Pyridine-d5	3.463	84	475258	23.776	ng/u1	0.00
7) Phenol-d5	6.722	99	637253	24.922	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.834	67	474251	25.830	ng/u1	0.00
11) 2-Chlorophenol-d4	7.028	132	478976	25.078	ng/u1	0.00
15) 4-Methylphenol-d8	8.234	113	465815	24.113	ng/u1	0.00
21) Nitrobenzene-d5	8.628	128	252678	25.109	ng/u1	0.00
24) 2-Nitrophenol-d4	9.345	143	254147	24.954	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.887	165	456104	23.882	ng/u1	0.00
31) 4-Chloroaniline-d4	10.416	131	638862	24.170	ng/u1	0.00
46) Dimethylphthalate-d6	13.557	166	1462175	25.771	ng/u1	0.00
49) Acenaphthylene-d8	13.798	160	1621240	24.608	ng/u1	0.00
54) 4-Nitrophenol-d4	14.404	143	243606	19.895	ng/u1	0.00
60) Fluorene-d10	15.104	176	1244852	25.719	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.245	200	167933	19.392	ng/u1	0.00
73) Anthracene-d10	16.951	188	1600369	21.708	ng/u1	0.00
81) Pyrene-d10	19.251	212	1974919	25.495	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.603	264	1269854	25.478	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.087	88	9128m	1.062	ng/uL	
5) Pyridine	3.487	79	93362	4.548	ng/u1#	45
6) Benzaldehyde	6.640	77	81599	6.785	ng/u1	96
8) Phenol	6.746	94	127075	4.792	ng/u1	95
10) Bis(2-Chloroethyl)ether	6.922	93	106644	4.818	ng/u1	97
12) 2-Chlorophenol	7.063	128	95256	4.734	ng/u1	97
13) 2-Methylphenol	7.969	108	81766	4.211	ng/u1	97
14) 2,2'-oxybis(1-Chloropr...	8.010	45	225935	5.183	ng/u1	99
16) Acetophenone	8.310	105	165415	5.138	ng/u1	93
17) N-Nitroso-di-n-propyla...	8.298	70	91117	5.122	ng/u1	97
18) 4-Methylphenol	8.298	108	95889	4.772	ng/u1	95
19) Hexachloroethane	8.534	117	45240	4.681	ng/u1	95
22) Nitrobenzene	8.669	77	134584	4.779	ng/u1	100
23) Isophorone	9.222	82	236551	4.754	ng/u1	100
25) 2-Nitrophenol	9.375	139	51529	4.628	ng/u1	98
26) 2,4-Dimethylphenol	9.481	107	49021	2.170	ng/u1	98
27) Bis(2-Chloroethoxy)met...	9.698	93	141695	4.690	ng/u1	95
29) 2,4-Dichlorophenol	9.916	162	89640	4.711	ng/u1	95
30) Naphthalene	10.281	128	328960	4.793	ng/u1	97
32) 4-Chloroaniline	10.439	127	121523	4.703	ng/u1	98
33) Hexachlorobutadiene	10.581	225	59388	4.556	ng/u1	97
34) Caprolactam	11.310	113	25374m	4.735	ng/u1	
35) 4-Chloro-3-methylphenol	11.592	107	95042	4.604	ng/u1	97
36) 2-Methylnaphthalene	11.904	142	217564	4.786	ng/u1	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.128	142	226324	4.980	ng/ul	100
39) 1,2,4,5-Tetrachloroben...	12.275	216	110354	4.496	ng/ul	97
40) Hexachlorocyclopentadiene	12.269	237	88365	5.932	ng/ul	97
41) 2,4,6-Trichlorophenol	12.551	196	58972	4.130	ng/ul	99
42) 2,4,5-Trichlorophenol	12.633	196	67020	4.325	ng/ul	95
43) 1,1'-Biphenyl	12.945	154	284017	4.671	ng/ul	100
44) 2-Chloronaphthalene	12.975	162	222720	4.674	ng/ul	99
45) 2-Nitroaniline	13.222	65	73604	4.524	ng/ul	97
47) Dimethylphthalate	13.604	163	278639	4.837	ng/ul	100
48) 2,6-Dinitrotoluene	13.710	165	47849	4.317	ng/ul	85
50) Acenaphthylene	13.827	152	365220	4.790	ng/ul	100
51) 3-Nitroaniline	14.063	138	44934	4.415	ng/ul	97
52) Acenaphthene	14.174	153	245022	4.815	ng/ul	96
53) 2,4-Dinitrophenol	14.245	184	28748	5.697	ng/ul	94
55) 4-Nitrophenol	14.416	109	53132	5.259	ng/ul	90
56) Dibenzofuran	14.510	168	332353	4.843	ng/ul	97
57) 2,4-Dinitrotoluene	14.504	165	72916	4.755	ng/ul#	77
58) 2,3,4,6-Tetrachlorophenol	14.763	232	51356	4.386	ng/ul#	89
59) Diethylphthalate	14.980	149	284768	4.937	ng/ul	100
61) Fluorene	15.163	166	273129	4.940	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.169	204	133122	4.851	ng/ul	96
63) 4-Nitroaniline	15.239	138	44115m	5.220	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.257	198	41822	4.400	ng/ul#	79
67) N-Nitrosodiphenylamine	15.392	169	215324	4.480	ng/ul	98
68) 4-Bromophenyl-phenylether	16.057	248	79269	4.483	ng/ul	99
69) Hexachlorobenzene	16.163	284	88220	4.512	ng/ul	97
70) Atrazine	16.368	200	80068	5.496	ng/ul	99
71) Pentachlorophenol	16.527	266	73844	7.443	ng/ul	89
72) Phenanthrene	16.898	178	410825	4.598	ng/ul	99
74) Anthracene	16.986	178	365728	4.098	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	12.898	216	105466	4.010	ng/uL	97
76) Pentachlorobenzene	14.427	250	113822	4.627	ng/uL	99
77) Carbazole	17.274	167	349209	4.585	ng/ul	99
78) Di-n-butylphthalate	17.851	149	453916	4.532	ng/ul	99
80) Fluoranthene	18.915	202	448246	4.773	ng/ul	96
82) Pyrene	19.280	202	469533	4.866	ng/ul	99
83) Butylbenzylphthalate	20.215	149	169089	4.300	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.003	252	80258	3.262	ng/ul	99
85) Benzo(a)anthracene	21.050	228	382794	4.451	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.003	149	230068	3.938	ng/ul	98
87) Chrysene	21.103	228	356849	4.485	ng/ul	100
89) Di-n-octyl phthalate	22.039	149	332797	4.080	ng/ul	100
90) Benzo(b)fluoranthene	22.933	252	314147	4.793	ng/ul	99
91) Benzo(k)fluoranthene	22.992	252	303855	4.747	ng/ul	97
93) Benzo(a)pyrene	23.656	252	265148	4.604	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.774	276	262210	4.169	ng/ul	99
95) Dibenzo(a,h)anthracene	26.832	278	203122	4.084	ng/ul	98
96) Benzo(g,h,i)perylene	27.709	276	235118	4.245	ng/ul	97

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

