

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060424\
 Data File : BM045814.D
 Acq On : 04 Jun 2024 13:09
 Operator : MA/JU
 Sample : P2409-04
 Misc : SFAM-SOIL-MDL-02
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Jun 04 13:43:24 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

Supervised By :mohammad
 ahmed
 06/06/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.463	152	262685	20.000	ng/u1	0.00
20) Naphthalene-d8	10.234	136	1064269	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.110	164	642690	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.857	188	1296039	20.000	ng/u1	0.00
79) Chrysene-d12	21.068	240	1103094	20.000	ng/u1	0.00
88) Perylene-d12	23.786	264	1140478	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.052	96	33142	4.892	ng/uL	0.00
4) Pyridine-d5	3.463	84	417863	23.953	ng/u1	0.00
7) Phenol-d5	6.716	99	556561	24.940	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.828	67	406743	25.383	ng/u1	0.00
11) 2-Chlorophenol-d4	7.028	132	419091	25.142	ng/u1	0.00
15) 4-Methylphenol-d8	8.234	113	393733	23.354	ng/u1	0.00
21) Nitrobenzene-d5	8.628	128	209876	25.222	ng/u1	0.00
24) 2-Nitrophenol-d4	9.340	143	209492	24.875	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.892	165	370133	23.437	ng/u1	0.00
31) 4-Chloroaniline-d4	10.416	131	507792	23.232	ng/u1	0.00
46) Dimethylphthalate-d6	13.557	166	1124241	25.268	ng/u1	0.00
49) Acenaphthylene-d8	13.798	160	1253900	24.269	ng/u1	0.00
54) 4-Nitrophenol-d4	14.404	143	186753	19.449	ng/u1	0.00
60) Fluorene-d10	15.104	176	959617	25.281	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.245	200	127331	19.239	ng/u1	0.00
73) Anthracene-d10	16.951	188	1239357	21.997	ng/u1	0.00
81) Pyrene-d10	19.251	212	1578578	23.011	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.603	264	1333361	25.015	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.093	88	8630m	1.151	ng/uL	
5) Pyridine	3.487	79	79760	4.452	ng/u1#	36
6) Benzaldehyde	6.640	77	73624	7.014	ng/u1	95
8) Phenol	6.746	94	108288	4.679	ng/u1	97
10) Bis(2-Chloroethyl)ether	6.922	93	91314	4.727	ng/u1	99
12) 2-Chlorophenol	7.057	128	82320	4.688	ng/u1	99
13) 2-Methylphenol	7.969	108	69111	4.078	ng/u1	100
14) 2,2'-oxybis(1-Chloropr...	8.010	45	189382	4.977	ng/u1	100
16) Acetophenone	8.310	105	135784	4.832	ng/u1	95
17) N-Nitroso-di-n-propyla...	8.298	70	72188	4.649	ng/u1	95
18) 4-Methylphenol	8.298	108	79661	4.543	ng/u1	100
19) Hexachloroethane	8.534	117	38829	4.604	ng/u1	94
22) Nitrobenzene	8.669	77	116431	5.000	ng/u1	99
23) Isophorone	9.222	82	184937	4.494	ng/u1	99
25) 2-Nitrophenol	9.375	139	41437	4.501	ng/u1	96
26) 2,4-Dimethylphenol	9.481	107	40001	2.142	ng/u1	97
27) Bis(2-Chloroethoxy)met...	9.698	93	115807	4.636	ng/u1	98
29) 2,4-Dichlorophenol	9.916	162	72309	4.596	ng/u1	93
30) Naphthalene	10.281	128	271937	4.792	ng/u1	100
32) 4-Chloroaniline	10.439	127	96879	4.534	ng/u1	94
33) Hexachlorobutadiene	10.581	225	48948	4.541	ng/u1	99
34) Caprolactam	11.316	113	20407m	4.605	ng/u1	
35) 4-Chloro-3-methylphenol	11.598	107	74420	4.360	ng/u1	96
36) 2-Methylnaphthalene	11.904	142	178448	4.748	ng/u1	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.128	142	179890	4.787	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.275	216	90000	4.676	ng/ul	98
40) Hexachlorocyclopentadiene	12.269	237	70554	6.040	ng/ul	100
41) 2,4,6-Trichlorophenol	12.551	196	42274	3.775	ng/ul	99
42) 2,4,5-Trichlorophenol	12.633	196	48901	4.024	ng/ul	100
43) 1,1'-Biphenyl	12.945	154	227696	4.775	ng/ul	99
44) 2-Chloronaphthalene	12.975	162	174891	4.680	ng/ul	98
45) 2-Nitroaniline	13.222	65	52703	4.130	ng/ul	94
47) Dimethylphthalate	13.610	163	216228	4.786	ng/ul	99
48) 2,6-Dinitrotoluene	13.710	165	35615	4.098	ng/ul#	80
50) Acenaphthylene	13.827	152	283771	4.746	ng/ul	99
51) 3-Nitroaniline	14.063	138	31418	3.937	ng/ul	98
52) Acenaphthene	14.174	153	189259	4.743	ng/ul	99
53) 2,4-Dinitrophenol	14.245	184	21918	5.539	ng/ul	94
55) 4-Nitrophenol	14.416	109	40968	5.171	ng/ul	91
56) Dibenzofuran	14.516	168	261029	4.851	ng/ul	98
57) 2,4-Dinitrotoluene	14.504	165	54547	4.536	ng/ul#	77
58) 2,3,4,6-Tetrachlorophenol	14.763	232	38792	4.225	ng/ul#	94
59) Diethylphthalate	14.980	149	215973	4.774	ng/ul	99
61) Fluorene	15.163	166	212793	4.908	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.169	204	101202	4.702	ng/ul	98
63) 4-Nitroaniline	15.239	138	35098	5.296	ng/ul#	52
66) 4,6-Dinitro-2-methylph...	15.257	198	32156	4.427	ng/ul#	75
67) N-Nitrosodiphenylamine	15.392	169	160329	4.365	ng/ul	98
68) 4-Bromophenyl-phenylether	16.057	248	59412	4.397	ng/ul	94
69) Hexachlorobenzene	16.163	284	67108	4.491	ng/ul	97
70) Atrazine	16.368	200	60657	5.448	ng/ul	99
71) Pentachlorophenol	16.527	266	54069	7.131	ng/ul	95
72) Phenanthrene	16.898	178	323713	4.740	ng/ul	98
74) Anthracene	16.986	178	285180	4.181	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	12.898	216	83724	4.165	ng/uL	97
76) Pentachlorobenzene	14.427	250	87741	4.667	ng/uL	98
77) Carbazole	17.274	167	273766	4.704	ng/ul	99
78) Di-n-butylphthalate	17.851	149	341307	4.459	ng/ul	99
80) Fluoranthene	18.915	202	356631	4.288	ng/ul	98
82) Pyrene	19.280	202	373968	4.377	ng/ul	98
83) Butylbenzylphthalate	20.215	149	136507	3.920	ng/ul	94
84) 3,3'-Dichlorobenzidine	20.998	252	72310	3.319	ng/ul	98
85) Benzo(a)anthracene	21.045	228	340059	4.465	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.003	149	209354	4.046	ng/ul	99
87) Chrysene	21.103	228	316579	4.493	ng/ul	99
89) Di-n-octyl phthalate	22.033	149	329761	3.781	ng/ul	100
90) Benzo(b)fluoranthene	22.933	252	324508	4.630	ng/ul	98
91) Benzo(k)fluoranthene	22.986	252	326974m	4.776	ng/ul	
93) Benzo(a)pyrene	23.656	252	289811	4.706	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.780	276	317070	4.714	ng/ul	99
95) Dibenzo(a,h)anthracene	26.832	278	245094	4.607	ng/ul	99
96) Benzo(g,h,i)perylene	27.709	276	284093	4.796	ng/ul	98

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

