

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121224\
 Data File : BM048968.D
 Acq On : 12 Dec 2024 12:21
 Operator : RC/JU
 Sample : P4776-03
 Misc : MDL-SOIL-QT4-2024
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-QT4-2024-07

Quant Time: Dec 12 23:17:26 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 12/13/2024
 Supervised By :mohammad ahmed 12/13/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.575	152	210488	20.000	ng/u1	0.00
20) Naphthalene-d8	10.340	136	815797	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.210	164	436048	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.957	188	821102	20.000	ng/u1	0.00
79) Chrysene-d12	21.180	240	689649	20.000	ng/u1	0.00
88) Perylene-d12	23.992	264	725677	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.152	96	19208	3.212	ng/uL	0.00
4) Pyridine-d5	3.546	84	205601	11.559	ng/u1	0.00
7) Phenol-d5	6.757	99	214413	11.686	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.916	67	157862	12.668	ng/u1	0.00
11) 2-Chlorophenol-d4	7.110	132	164056	12.322	ng/u1	0.00
15) 4-Methylphenol-d8	8.275	113	146376	10.687	ng/u1	0.00
21) Nitrobenzene-d5	8.716	128	73294	12.528	ng/u1	0.00
24) 2-Nitrophenol-d4	9.428	143	61855	11.436	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.963	165	131689	11.440	ng/u1	0.00
31) 4-Chloroaniline-d4	10.475	131	191304	10.660	ng/u1	0.00
46) Dimethylphthalate-d6	13.628	166	359044	11.959	ng/u1	0.00
49) Acenaphthylene-d8	13.898	160	445803	12.164	ng/u1	0.00
54) 4-Nitrophenol-d4	14.416	143	49639	8.629	ng/u1	0.00
60) Fluorene-d10	15.204	176	317449	12.200	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.322	200	28288	6.604	ng/u1	0.00
73) Anthracene-d10	17.051	188	428692	10.653	ng/u1	0.00
81) Pyrene-d10	19.351	212	495990	12.810	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.797	264	440078	11.836	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.187	88	6588m	1.034	ng/uL	
5) Pyridine	3.563	79	69725	3.751	ng/u1#	85
6) Benzaldehyde	6.722	77	45589	4.660	ng/u1	96
8) Phenol	6.781	94	78235	3.955	ng/u1	99
10) Bis(2-Chloroethyl)ether	7.010	93	65284	4.174	ng/u1	99
12) 2-Chlorophenol	7.140	128	58608	4.170	ng/u1	98
13) 2-Methylphenol	8.016	108	47113	3.471	ng/u1	95
14) 2,2'-oxybis(1-Chloropr...	8.098	45	97317	4.204	ng/u1	96
16) Acetophenone	8.387	105	90356	3.921	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.375	70	41497	3.695	ng/u1#	95
18) 4-Methylphenol	8.340	108	53967	3.618	ng/u1	95
19) Hexachloroethane	8.640	117	25651	4.222	ng/u1	92
22) Nitrobenzene	8.757	77	64867	4.044	ng/u1	97
23) Isophorone	9.287	82	104632	3.690	ng/u1	97
25) 2-Nitrophenol	9.463	139	24510	3.842	ng/u1	99
26) 2,4-Dimethylphenol	9.534	107	32787m	2.475	ng/u1	
27) Bis(2-Chloroethoxy)met...	9.769	93	71891	3.966	ng/u1	99
29) 2,4-Dichlorophenol	9.987	162	48424	4.070	ng/u1	96
30) Naphthalene	10.387	128	178417	4.117	ng/u1	99
32) 4-Chloroaniline	10.498	127	62747	3.632	ng/u1	99
33) Hexachlorobutadiene	10.681	225	31396	4.088	ng/u1	97
34) Caprolactam	11.275	113	11438m	3.051	ng/u1	
35) 4-Chloro-3-methylphenol	11.634	107	37118	3.262	ng/u1	100
36) 2-Methylnaphthalene	12.010	142	105767	3.853	ng/u1	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.228	142	97989	3.572	ng/ul	94
39) 1,2,4,5-Tetrachloroben...	12.381	216	54447	4.080	ng/ul	96
40) Hexachlorocyclopentadiene	12.369	237	25920	3.127	ng/ul	98
41) 2,4,6-Trichlorophenol	12.628	196	25186	3.363	ng/ul	92
42) 2,4,5-Trichlorophenol	12.698	196	26538	3.219	ng/ul	96
43) 1,1'-Biphenyl	13.039	154	130892	3.966	ng/ul	98
44) 2-Chloronaphthalene	13.069	162	107965	4.117	ng/ul	97
45) 2-Nitroaniline	13.281	65	20419	3.035	ng/ul	99
47) Dimethylphthalate	13.675	163	119282	3.971	ng/ul	99
48) 2,6-Dinitrotoluene	13.786	165	14675	2.897	ng/ul	88
50) Acenaphthylene	13.928	152	163334	4.095	ng/ul	97
51) 3-Nitroaniline	14.116	138	16216	2.749	ng/ul#	85
52) Acenaphthene	14.275	153	110481	3.905	ng/ul	98
53) 2,4-Dinitrophenol	14.322	184	8812	3.331	ng/ul	95
55) 4-Nitrophenol	14.427	109	15015m	3.562	ng/ul	
56) Dibenzofuran	14.610	168	155003	4.070	ng/ul	100
57) 2,4-Dinitrotoluene	14.575	165	23814	3.180	ng/ul#	97
58) 2,3,4,6-Tetrachlorophenol	14.839	232	20017	3.317	ng/ul#	97
59) Diethylphthalate	15.051	149	106160	3.669	ng/ul	99
61) Fluorene	15.263	166	117631	3.736	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.263	204	55585	3.643	ng/ul	96
63) 4-Nitroaniline	15.280	138	16342m	2.908	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.339	198	13577	2.847	ng/ul#	83
67) N-Nitrosodiphenylamine	15.480	169	87210	3.486	ng/ul	99
68) 4-Bromophenyl-phenylether	16.157	248	27777	3.434	ng/ul	97
69) Hexachlorobenzene	16.263	284	36705	3.775	ng/ul	95
70) Atrazine	16.439	200	27537m	3.003	ng/ul	
71) Pentachlorophenol	16.610	266	21178	3.518	ng/ul	97
72) Phenanthrene	16.998	178	179174	3.772	ng/ul	98
74) Anthracene	17.086	178	166775	3.487	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	12.998	216	48988	3.679	ng/uL	97
76) Pentachlorobenzene	14.527	250	43102	3.338	ng/uL	95
77) Carbazole	17.363	167	146000	3.237	ng/ul	99
78) Di-n-butylphthalate	17.945	149	145898	3.220	ng/ul	99
80) Fluoranthene	19.021	202	177639	3.902	ng/ul	98
82) Pyrene	19.380	202	203120	4.044	ng/ul	96
83) Butylbenzylphthalate	20.309	149	50080	3.267	ng/ul#	86
84) 3,3'-Dichlorobenzidine	21.104	252	25178	2.103	ng/ul	99
85) Benzo(a)anthracene	21.162	228	180604	3.905	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.127	149	70437	3.181	ng/ul	96
87) Chrysene	21.221	228	179164	4.115	ng/ul	99
89) Di-n-octyl phthalate	22.198	149	96486	2.211	ng/ul	100
90) Benzo(b)fluoranthene	23.109	252	164464	3.583	ng/ul	98
91) Benzo(k)fluoranthene	23.168	252	167374	3.651	ng/ul	98
93) Benzo(a)pyrene	23.856	252	149178	3.496	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	27.109	276	199287m	3.780	ng/ul	
95) Dibenzo(a,h)anthracene	27.174	278	163566m	3.797	ng/ul	
96) Benzo(g,h,i)perylene	28.074	276	160696m	3.971	ng/ul	

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

