Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032624\
Data File : BP019994.D
Acq On : 26 Mar 2024 12:01
Operator : MA/JU
Sample : P1601-04
Misc : SFAM-MDL-SOIL-02
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 26 12:42:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP032224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Mar 25 10:46:59 2024
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-QT1-2024-02

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/29/2024
Supervised By :mohammad ahmed 03/29/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.587	152	119975	20.000	ng/ul	-0.03
20) Naphthalene-d8	10.352	136	487623	20.000	ng/ul	-0.02
38) Acenaphthene-d10	14.228	164	310219	20.000	ng/ul	-0.02
64) Phenanthrene-d10	17.063	188	651305	20.000	ng/ul	-0.01
79) Chrysene-d12	21.533	240	579496	20.000	ng/ul	-0.01
88) Perylene-d12	24.810	264	619858	20.000	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.234	96	13496	4.929	ng/uL	-0.01
4) Pyridine-d5	3.628	84	192374	23.267	ng/ul	-0.01
7) Phenol-d5	6.781	99	230290	22.759	ng/ul	-0.02
9) Bis-(2-Chloroethyl)eth...	6.958	67	153548	23.292	ng/ul	-0.01
11) 2-Chlorophenol-d4	7.134	132	164760	22.673	ng/ul	-0.02
15) 4-Methylphenol-d8	8.287	113	170773	21.814	ng/ul	-0.02
21) Nitrobenzene-d5	8.740	128	85699	22.929	ng/ul	-0.02
24) 2-Nitrophenol-d4	9.452	143	92794	22.190	ng/ul	-0.02
28) 2,4-Dichlorophenol-d3	9.981	165	162491	21.276	ng/ul	-0.02
31) 4-Chloroaniline-d4	10.505	131	216901	21.786	ng/ul	-0.01
46) Dimethylphthalate-d6	13.657	166	488284	22.450	ng/ul	0.00
49) Acenaphthylene-d8	13.928	160	576540	22.692	ng/ul	0.00
54) 4-Nitrophenol-d4	14.481	143	64161	18.764	ng/ul	0.00
60) Fluorene-d10	15.257	176	428686	23.137	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.410	200	71316	18.293	ng/ul	-0.01
73) Anthracene-d10	17.169	188	602795	20.908	ng/ul	0.00
81) Pyrene-d10	19.557	212	741682	21.814	ng/ul	-0.01
92) Benzo(a)pyrene-d12	24.586	264	682902	22.932	ng/ul	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.270	88	3402	1.089	ng/uL#	88
5) Pyridine	3.646	79	35192	4.176	ng/ul#	54
6) Benzaldehyde	6.769	77	30744	6.144	ng/ul	93
8) Phenol	6.811	94	44621	4.218	ng/ul	95
10) Bis(2-Chloroethyl)ether	7.046	93	36357	4.244	ng/ul	96
12) 2-Chlorophenol	7.164	128	32631	4.261	ng/ul	96
13) 2-Methylphenol	8.040	108	31442	4.123	ng/ul	94
14) 2,2'-oxybis(1-Chloropr...	8.122	45	53948	4.579	ng/ul	99
16) Acetophenone	8.411	105	56053	4.439	ng/ul	98
17) N-Nitroso-di-n-propyla...	8.387	70	31326	4.448	ng/ul	97
18) 4-Methylphenol	8.352	108	34367	4.187	ng/ul	99
19) Hexachloroethane	8.640	117	15268	4.292	ng/ul	92
22) Nitrobenzene	8.781	77	48700	4.575	ng/ul	98
23) Isophorone	9.305	82	83569	4.211	ng/ul	96
25) 2-Nitrophenol	9.481	139	18375	4.215	ng/ul	98
26) 2,4-Dimethylphenol	9.540	107	30571m	3.212	ng/ul	
27) Bis(2-Chloroethoxy)met...	9.787	93	49347	4.253	ng/ul	99
29) 2,4-Dichlorophenol	10.010	162	30698	4.109	ng/ul	96
30) Naphthalene	10.405	128	109248	4.367	ng/ul	99
32) 4-Chloroaniline	10.528	127	40624	4.158	ng/ul	99
33) Hexachlorobutadiene	10.663	225	24296	4.127	ng/ul	96
34) Caprolactam	11.357	113	9934m	4.278	ng/ul	
35) 4-Chloro-3-methylphenol	11.669	107	31497	3.795	ng/ul	94
36) 2-Methylnaphthalene	12.028	142	72052	4.326	ng/ul	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.240	142	73560	4.416	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.404	216	42312	4.125	ng/ul	98
40) Hexachlorocyclopentadiene	12.357	237	22993	3.962	ng/ul	96
41) 2,4,6-Trichlorophenol	12.663	196	23891	3.792	ng/ul	98
42) 2,4,5-Trichlorophenol	12.740	196	26595	4.081	ng/ul	98
43) 1,1'-Biphenyl	13.051	154	96746	4.306	ng/ul	98
44) 2-Chloronaphthalene	13.093	162	77974	4.304	ng/ul	98
45) 2-Nitroaniline	13.334	65	22484	3.940	ng/ul	96
47) Dimethylphthalate	13.699	163	97036	4.420	ng/ul	99
48) 2,6-Dinitrotoluene	13.828	165	17136	3.844	ng/ul	93
50) Acenaphthylene	13.957	152	125101	4.403	ng/ul	99
51) 3-Nitroaniline	14.169	138	15547	3.787	ng/ul	96
52) Acenaphthene	14.304	153	82302	4.360	ng/ul	99
53) 2,4-Dinitrophenol	14.416	184	9188	3.622	ng/ul	93
55) 4-Nitrophenol	14.498	109	11126	3.546	ng/ul	96
56) Dibenzofuran	14.651	168	112088	4.373	ng/ul	95
57) 2,4-Dinitrotoluene	14.651	165	25533	4.190	ng/ul	89
58) 2,3,4,6-Tetrachlorophenol	14.893	232	22699	4.062	ng/ul#	95
59) Diethylphthalate	15.098	149	92480	4.248	ng/ul	98
61) Fluorene	15.316	166	93319	4.463	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.304	204	48384	4.320	ng/ul	96
63) 4-Nitroaniline	15.381	138	13623m	3.886	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.422	198	16461	3.978	ng/ul#	74
67) N-Nitrosodiphenylamine	15.545	169	73076	4.062	ng/ul	98
68) 4-Bromophenyl-phenylether	16.240	248	28381	4.015	ng/ul	97
69) Hexachlorobenzene	16.345	284	33028	4.208	ng/ul	99
70) Atrazine	16.534	200	28717	4.166	ng/ul	97
71) Pentachlorophenol	16.716	266	17844	3.878	ng/ul	94
72) Phenanthrene	17.110	178	146242	4.343	ng/ul	98
74) Anthracene	17.198	178	136901	4.004	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.010	216	41173	3.877	ng/uL	98
76) Pentachlorobenzene	14.551	250	42978	4.370	ng/uL	99
77) Carbazole	17.498	167	117118	4.006	ng/ul	98
78) Di-n-butylphthalate	18.087	149	139249	3.814	ng/ul	97
80) Fluoranthene	19.216	202	160594	4.021	ng/ul	97
82) Pyrene	19.592	202	170257	4.102	ng/ul	99
83) Butylbenzylphthalate	20.569	149	60506	3.590	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.463	252	45185	3.667	ng/ul	99
85) Benzo(a)anthracene	21.516	228	168512	4.202	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.469	149	87554	3.555	ng/ul	95
87) Chrysene	21.575	228	155976	4.183	ng/ul	99
89) Di-n-octyl phthalate	22.722	149	154417	3.928	ng/ul	100
90) Benzo(b)fluoranthene	23.780	252	155438	4.277	ng/ul	99
91) Benzo(k)fluoranthene	23.851	252	162659	4.404	ng/ul	99
93) Benzo(a)pyrene	24.657	252	152629	4.342	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	28.539	276	188713m	4.262	ng/ul	
95) Dibenzo(a,h)anthracene	28.627	278	146141	4.058	ng/ul	95
96) Benzo(g,h,i)perylene	29.698	276	151594m	4.239	ng/ul	

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

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