Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032624\
Data File : BP019995.D
Acq On : 26 Mar 2024 12:46
Operator : MA/JU
Sample : P1601-06
Misc : SFAM-MDL-ME SOIL-02
ALS Vial : 6 Sample Multiplier: 1

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

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

Quant Time: Mar 26 23:54:46 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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.605	152	120098	20.000	ng/ul	-0.01
20) Naphthalene-d8	10.363	136	473531	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.251	164	319920	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.075	188	724755	20.000	ng/ul	0.00
79) Chrysene-d12	21.545	240	740657	20.000	ng/ul	0.00
88) Perylene-d12	24.821	264	824004	20.000	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.240	96	14314	5.222	ng/uL	0.00
4) Pyridine-d5	3.634	84	193449	23.373	ng/ul	0.00
7) Phenol-d5	6.787	99	228863	22.595	ng/ul	-0.01
9) Bis-(2-Chloroethyl)eth...	6.964	67	151780	23.000	ng/ul	0.00
11) 2-Chlorophenol-d4	7.140	132	167411	23.014	ng/ul	-0.01
15) 4-Methylphenol-d8	8.299	113	171993	21.948	ng/ul	0.00
21) Nitrobenzene-d5	8.758	128	82767	22.804	ng/ul	0.00
24) 2-Nitrophenol-d4	9.463	143	90892	22.382	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	9.993	165	159515	21.508	ng/ul	0.00
31) 4-Chloroaniline-d4	10.516	131	214178	22.153	ng/ul	0.00
46) Dimethylphthalate-d6	13.646	166	524636	23.390	ng/ul	0.00
49) Acenaphthylene-d8	13.940	160	578913	22.094	ng/ul	0.00
54) 4-Nitrophenol-d4	14.493	143	72792	20.643	ng/ul	0.01
60) Fluorene-d10	15.257	176	456820	23.908	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.416	200	84248	19.420	ng/ul	0.00
73) Anthracene-d10	17.169	188	681955	21.257	ng/ul	0.00
81) Pyrene-d10	19.569	212	892342	20.535	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.610	264	915808m	23.134	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.275	88	3729	1.192	ng/uL#	82
5) Pyridine	3.658	79	37211	4.411	ng/ul#	71
6) Benzaldehyde	6.781	77	29036	5.797	ng/ul	99
8) Phenol	6.816	94	43819	4.138	ng/ul	94
10) Bis(2-Chloroethyl)ether	7.052	93	37680	4.394	ng/ul	96
12) 2-Chlorophenol	7.175	128	32266	4.209	ng/ul	94
13) 2-Methylphenol	8.052	108	30397	3.982	ng/ul	100
14) 2,2'-oxybis(1-Chloropr...	8.128	45	52360	4.440	ng/ul	97
16) Acetophenone	8.428	105	54939	4.346	ng/ul	97
17) N-Nitroso-di-n-propyla...	8.411	70	30184	4.281	ng/ul	97
18) 4-Methylphenol	8.375	108	32907	4.005	ng/ul	97
19) Hexachloroethane	8.652	117	15866	4.456	ng/ul	97
22) Nitrobenzene	8.799	77	46774	4.524	ng/ul	100
23) Isophorone	9.316	82	83573	4.337	ng/ul	99
25) 2-Nitrophenol	9.499	139	18219	4.304	ng/ul	95
26) 2,4-Dimethylphenol	9.552	107	30022	3.249	ng/ul	91
27) Bis(2-Chloroethoxy)met...	9.793	93	48445	4.299	ng/ul	97
29) 2,4-Dichlorophenol	10.016	162	28890	3.982	ng/ul	92
30) Naphthalene	10.410	128	106609	4.388	ng/ul	99
32) 4-Chloroaniline	10.540	127	40274	4.245	ng/ul	98
33) Hexachlorobutadiene	10.675	225	24883	4.352	ng/ul	98
34) Caprolactam	11.363	113	10491	4.652	ng/ul	91
35) 4-Chloro-3-methylphenol	11.681	107	33254	4.126	ng/ul	97
36) 2-Methylnaphthalene	12.034	142	69697	4.309	ng/ul	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.257	142	73449	4.540	ng/ul	96
39) 1,2,4,5-Tetrachloroben...	12.399	216	41658	3.938	ng/ul	97
40) Hexachlorocyclopentadiene	12.363	237	23152	3.868	ng/ul	97
41) 2,4,6-Trichlorophenol	12.663	196	24612	3.788	ng/ul	94
42) 2,4,5-Trichlorophenol	12.740	196	26962	4.012	ng/ul	96
43) 1,1'-Biphenyl	13.063	154	95791	4.135	ng/ul	100
44) 2-Chloronaphthalene	13.104	162	76167	4.077	ng/ul	99
45) 2-Nitroaniline	13.334	65	24096	4.094	ng/ul	97
47) Dimethylphthalate	13.693	163	102979	4.548	ng/ul	100
48) 2,6-Dinitrotoluene	13.846	165	18914	4.115	ng/ul	95
50) Acenaphthylene	13.969	152	124844	4.261	ng/ul	99
51) 3-Nitroaniline	14.193	138	16134	3.811	ng/ul	97
52) Acenaphthene	14.316	153	84461	4.339	ng/ul	97
53) 2,4-Dinitrophenol	14.404	184	10159	3.883	ng/ul	99
55) 4-Nitrophenol	14.504	109	14096	4.356	ng/ul	85
56) Dibenzofuran	14.663	168	120944	4.575	ng/ul	98
57) 2,4-Dinitrotoluene	14.663	165	27624	4.395	ng/ul	98
58) 2,3,4,6-Tetrachlorophenol	14.887	232	24620	4.272	ng/ul	97
59) Diethylphthalate	15.104	149	104093	4.636	ng/ul	97
61) Fluorene	15.322	166	97614	4.527	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.322	204	51532	4.462	ng/ul	97
63) 4-Nitroaniline	15.387	138	16075	4.446	ng/ul	96
66) 4,6-Dinitro-2-methylph...	15.434	198	19300	4.192	ng/ul#	83
67) N-Nitrosodiphenylamine	15.540	169	80573	4.025	ng/ul	99
68) 4-Bromophenyl-phenylether	16.245	248	31247	3.972	ng/ul	97
69) Hexachlorobenzene	16.340	284	36072	4.130	ng/ul	99
70) Atrazine	16.551	200	33858	4.414	ng/ul	97
71) Pentachlorophenol	16.722	266	21613m	4.221	ng/ul	
72) Phenanthrene	17.110	178	160755	4.290	ng/ul	99
74) Anthracene	17.216	178	151508	3.982	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.016	216	41708	3.530	ng/uL	96
76) Pentachlorobenzene	14.569	250	45288	4.138	ng/uL	97
77) Carbazole	17.504	167	139600	4.291	ng/ul	100
78) Di-n-butylphthalate	18.104	149	175879	4.330	ng/ul	99
80) Fluoranthene	19.216	202	195250	3.825	ng/ul	99
82) Pyrene	19.604	202	208231	3.925	ng/ul	99
83) Butylbenzylphthalate	20.575	149	82874	3.847	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.463	252	55383	3.516	ng/ul	97
85) Benzo(a)anthracene	21.527	228	213460	4.165	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.469	149	127905	4.064	ng/ul	98
87) Chrysene	21.592	228	202437	4.248	ng/ul	99
89) Di-n-octyl phthalate	22.733	149	221803	4.244	ng/ul	100
90) Benzo(b)fluoranthene	23.792	252	203806	4.219	ng/ul	98
91) Benzo(k)fluoranthene	23.851	252	212784	4.334	ng/ul	99
93) Benzo(a)pyrene	24.668	252	197977	4.237	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	28.551	276	242408m	4.119	ng/ul	
95) Dibenzo(a,h)anthracene	28.633	278	197567	4.127	ng/ul	98
96) Benzo(g,h,i)perylene	29.703	276	196179m	4.126	ng/ul	

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

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