Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP030322\
Data File : BP009257.D
Acq On : 03 Mar 2022 13:02
Operator : CG/JU
Sample : N1331-05
Misc : SFAM-MDL-MESOIL01
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MDL-MED-SOIL-QT1-2022-01

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 03/03/2022
Supervised By :mohammad ahmed 03/07/2022

Quant Time: Mar 03 13:31:56 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP030222.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Mar 02 18:15:01 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.822	152	344475	20.000	ng/ul	# 0.00
20) Naphthalene-d8	10.616	136	1398739	20.000	ng/ul	#-0.01
38) Acenaphthene-d10	14.463	164	850606	20.000	ng/ul	-0.01
64) Phenanthrene-d10	17.222	188	1695599	20.000	ng/ul	#-0.01
79) Chrysene-d12	21.327	240	1678192	20.000	ng/ul	-0.01
88) Perylene-d12	23.739	264	1751047	20.000	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.317	96	46193	5.390	ng/uL	0.00
4) Pyridine-d5	3.722	84	505198	23.624	ng/ul	0.00
7) Phenol-d5	6.987	99	689054	24.693	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.158	67	422323m	25.218	ng/ul	0.00
11) 2-Chlorophenol-d4	7.358	132	548701	25.150	ng/ul	0.00
15) 4-Methylphenol-d8	8.528	113	530299	24.861	ng/ul	0.00
21) Nitrobenzene-d5	8.975	128	220905	27.081	ng/ul	0.00
24) 2-Nitrophenol-d4	9.699	143	216324	27.980	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.234	165	500612	24.301	ng/ul	-0.01
31) 4-Chloroaniline-d4	10.752	131	741875	25.468	ng/ul	0.00
46) Dimethylphthalate-d6	13.875	166	1509687	25.325	ng/ul	-0.01
49) Acenaphthylene-d8	14.151	160	1944398	24.686	ng/ul	-0.01
54) 4-Nitrophenol-d4	14.645	143	208897	22.127	ng/ul	-0.01
60) Fluorene-d10	15.457	176	1319653	25.442	ng/ul	-0.01
65) 4,6-Dinitro-2-methylph...	15.569	200	140211	20.373	ng/ul	-0.01
73) Anthracene-d10	17.322	188	1980874	24.858	ng/ul	-0.01
81) Pyrene-d10	19.563	212	2247254	24.361	ng/ul	-0.01
92) Benzo(a)pyrene-d12	23.580	264	2193536	24.768	ng/ul	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.352	88	9623	1.123	ng/uL#	67
5) Pyridine	3.740	79	96191	4.239	ng/ul#	32
6) Benzaldehyde	6.963	77	78572m	4.786	ng/ul	
8) Phenol	7.011	94	124721	4.440	ng/ul	90
10) Bis(2-Chloroethyl)ether	7.252	93	100688	4.491	ng/ul#	88
12) 2-Chlorophenol	7.387	128	99084	4.488	ng/ul	91
13) 2-Methylphenol	8.263	108	86594	4.132	ng/ul	98
14) 2,2'-oxybis(1-Chloropr...	8.358	45	127984	4.747	ng/ul#	91
16) Acetophenone	8.640	105	149553	4.589	ng/ul#	88
17) N-Nitroso-di-n-propyla...	8.634	70	68695	4.231	ng/ul#	82
18) 4-Methylphenol	8.587	108	97182	4.411	ng/ul	94
19) Hexachloroethane	8.905	117	40283	4.469	ng/ul#	80
22) Nitrobenzene	9.016	77	104298	4.910	ng/ul#	85
23) Isophorone	9.546	82	192725	4.103	ng/ul#	94
25) 2-Nitrophenol	9.728	139	44417	4.910	ng/ul#	78
26) 2,4-Dimethylphenol	9.793	107	106181m	4.348	ng/ul	
27) Bis(2-Chloroethoxy)met...	10.034	93	125321	4.364	ng/ul#	98
29) 2,4-Dichlorophenol	10.263	162	91439	4.508	ng/ul#	76
30) Naphthalene	10.669	128	327704	4.611	ng/ul	98
32) 4-Chloroaniline	10.775	127	133212	4.621	ng/ul	97
33) Hexachlorobutadiene	10.969	225	64793	4.408	ng/ul	97
34) Caprolactam	11.540	113	25376	4.336	ng/ul#	37
35) 4-Chloro-3-methylphenol	11.904	107	82651	4.025	ng/ul#	60
36) 2-Methylnaphthalene	12.281	142	216074	4.537	ng/ul	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.498	142	196832	4.134	ng/ul#	94
39) 1,2,4,5-Tetrachloroben...	12.651	216	121728	4.500	ng/ul	98
40) Hexachlorocyclopentadiene	12.646	237	59733	3.516	ng/ul	93
41) 2,4,6-Trichlorophenol	12.893	196	59900	3.824	ng/ul#	88
42) 2,4,5-Trichlorophenol	12.957	196	65927	3.978	ng/ul#	85
43) 1,1'-Biphenyl	13.298	154	293695	4.524	ng/ul#	93
44) 2-Chloronaphthalene	13.334	162	223903	4.535	ng/ul	94
45) 2-Nitroaniline	13.528	65	33763	3.890	ng/ul#	85
47) Dimethylphthalate	13.922	163	264539	4.585	ng/ul#	92
48) 2,6-Dinitrotoluene	14.028	165	28952	3.672	ng/ul	95
50) Acenaphthylene	14.181	152	358041	4.585	ng/ul	94
51) 3-Nitroaniline	14.357	138	32504	3.265	ng/ul#	86
52) Acenaphthene	14.528	153	229070	4.514	ng/ul	96
53) 2,4-Dinitrophenol	14.563	184	21990	4.562	ng/ul#	86
55) 4-Nitrophenol	14.657	109	32433	4.347	ng/ul#	42
56) Dibenzofuran	14.863	168	335989	4.680	ng/ul	98
57) 2,4-Dinitrotoluene	14.816	165	46353	4.092	ng/ul#	89
58) 2,3,4,6-Tetrachlorophenol	15.087	232	51613	3.983	ng/ul#	85
59) Diethylphthalate	15.292	149	245660	4.400	ng/ul	93
61) Fluorene	15.516	166	265469	4.717	ng/ul	92
62) 4-Chlorophenyl-phenyle...	15.510	204	137163	4.803	ng/ul	96
63) 4-Nitroaniline	15.516	138	35526m	3.682	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.581	198	26965	3.727	ng/ul#	63
67) N-Nitrosodiphenylamine	15.722	169	215781	4.349	ng/ul	96
68) 4-Bromophenyl-phenylether	16.410	248	75828	4.287	ng/ul	96
69) Hexachlorobenzene	16.528	284	90456	4.454	ng/ul#	91
70) Atrazine	16.686	200	73929	4.179	ng/ul#	90
71) Pentachlorophenol	16.869	266	53430m	4.457	ng/ul	
72) Phenanthrene	17.263	178	412875	4.567	ng/ul	97
74) Anthracene	17.351	178	409317	4.536	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.257	216	112323	3.931	ng/uL	89
76) Pentachlorobenzene	14.787	250	111731	4.390	ng/uL	92
77) Carbazole	17.622	167	345742	4.304	ng/ul#	97
78) Di-n-butylphthalate	18.198	149	335036	3.762	ng/ul#	92
80) Fluoranthene	19.239	202	450540	4.239	ng/ul	98
82) Pyrene	19.592	202	495358	4.558	ng/ul	98
83) Butylbenzylphthalate	20.486	149	118300	3.372	ng/ul#	79
84) 3,3'-Dichlorobenzidine	21.245	252	122255	3.457	ng/ul#	96
85) Benzo(a)anthracene	21.310	228	471477	4.444	ng/ul	96
86) Bis(2-ethylhexyl)phtha...	21.257	149	196791	3.528	ng/ul#	78
87) Chrysene	21.363	228	469221	4.564	ng/ul	99
89) Di-n-octyl phthalate	22.192	149	294503	3.107	ng/ul	100
90) Benzo(b)fluoranthene	23.004	252	475953	4.313	ng/ul	98
91) Benzo(k)fluoranthene	23.051	252	449274	4.492	ng/ul#	97
93) Benzo(a)pyrene	23.633	252	466189	4.408	ng/ul#	97
94) Indeno(1,2,3-cd)pyrene	26.239	276	522089	4.170	ng/ul#	93
95) Dibenzo(a,h)anthracene	26.257	278	450780	4.264	ng/ul#	91
96) Benzo(g,h,i)perylene	27.004	276	449640	4.193	ng/ul#	88

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

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