Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022421\
Data File : VY004048.D
Acq On : 24 Feb 2021 12:39
Operator : SY/MD
Sample : M1458-03 2.5PPBMDL
Misc : 5.00g/5mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2021

Manual Integrations APPROVED
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2/25/2021 12:17:51 PM

Quant Time: Feb 25 01:24:44 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022221S.M
Quant Title : SW846 8260
QLast Update : Thu Feb 25 01:24:23 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.795	168	64831	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	98497	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	82498	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	41988	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	38848	53.70	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	107.40%		
35) Dibromofluoromethane	7.716	113	30549	51.45	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	102.90%		
50) Toluene-d8	10.178	98	110897	46.58	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	93.16%		
62) 4-Bromofluorobenzene	12.477	95	39179	46.58	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	93.16%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.899	85	1672	2.72	ug/l	97
3) Chloromethane	2.113	50	2867	3.12	ug/l	89
4) Vinyl Chloride	2.253	62	2397	2.69	ug/l #	86
5) Bromomethane	2.655	94	1807	3.02	ug/l	97
6) Chloroethane	2.802	64	1461	2.71	ug/l	93
7) Trichlorofluoromethane	3.137	101	3014	2.70	ug/l	84
8) Diethyl Ether	3.527	74	904	2.53	ug/l #	46
9) 1,1,2-Trichlorotrifluo...	3.899	101	1454	2.44	ug/l	96
10) Methyl Iodide	4.100	142	1643	2.19	ug/l #	97
11) Tert butyl alcohol	4.948	59	1936	18.04	ug/l #	76
12) 1,1-Dichloroethene	3.881	96	1584	2.65	ug/l	84
13) Acrolein	3.728	56	908	12.62	ug/l	98
14) Allyl chloride	4.472	41	2837	2.50	ug/l	95
15) Acrylonitrile	5.161	53	2404	12.79	ug/l	100
16) Acetone	3.948	43	2618	14.32	ug/l	97
17) Carbon Disulfide	4.204	76	5221	2.70	ug/l #	93
18) Methyl Acetate	4.484	43	1192	2.77	ug/l #	80
19) Methyl tert-butyl Ether	5.228	73	4418	2.51	ug/l	96
20) Methylene Chloride	4.716	84	3496	4.73	ug/l	91
21) trans-1,2-Dichloroethene	5.228	96	1800	2.68	ug/l	93
22) Diisopropyl ether	6.124	45	5466	2.45	ug/l #	96
23) Vinyl Acetate	6.063	43	18368	12.16	ug/l	98
24) 1,1-Dichloroethane	6.015	63	3041	2.55	ug/l #	82
25) 2-Butanone	6.996	43	3110	11.94	ug/l	93
26) 2,2-Dichloropropane	6.984	77	2667	2.42	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	1905	2.58	ug/l	99
28) Bromochloromethane	7.338	49	1271	2.41	ug/l #	94
29) Tetrahydrofuran	7.350	42	2060	12.25	ug/l	98
30) Chloroform	7.502	83	3342	2.76	ug/l	88
31) Cyclohexane	7.789	56	4180	3.44	ug/l #	65
32) 1,1,1-Trichloroethane	7.709	97	2878	2.59	ug/l	94
36) 1,1-Dichloropropene	7.923	75	2619	2.66	ug/l	95
37) Ethyl Acetate	7.075	43	1458	2.50	ug/l #	82
38) Carbon Tetrachloride	7.904	117	2613	2.57	ug/l	85
39) Methylcyclohexane	9.185	83	2870	2.41	ug/l	88
40) Benzene	8.161	78	7044	2.57	ug/l	95

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Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.325	41	951m	3.09 ug/l	
42) 1,2-Dichloroethane	8.240	62	2412	2.68 ug/l	97
43) Isopropyl Acetate	8.276	43	2724	2.48 ug/l	95
44) Trichloroethene	8.935	130	1901	2.51 ug/l	100
45) 1,2-Dichloropropane	9.215	63	1612	2.40 ug/l	96
46) Dibromomethane	9.307	93	892	2.38 ug/l	92
47) Bromodichloromethane	9.496	83	2274	2.37 ug/l #	94
48) Methyl methacrylate	9.288	41	1250	2.33 ug/l	93
49) 1,4-Dioxane	9.294	88	196	43.29 ug/l #	50
51) 4-Methyl-2-Pentanone	10.069	43	6013	10.59 ug/l	96
52) Toluene	10.246	92	4120	2.41 ug/l	97
53) t-1,3-Dichloropropene	10.465	75	2179	2.11 ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	2613	2.26 ug/l #	93
55) 1,1,2-Trichloroethane	10.642	97	1207	2.27 ug/l	93
56) Ethyl methacrylate	10.514	69	1573	2.07 ug/l	95
57) 1,3-Dichloropropane	10.782	76	2123	2.25 ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	4607	13.37 ug/l	99
59) 2-Hexanone	10.831	43	3909	9.77 ug/l	98
60) Dibromochloromethane	10.983	129	1424	2.12 ug/l	96
61) 1,2-Dibromoethane	11.081	107	1140	2.18 ug/l	92
64) Tetrachloroethene	10.715	164	1878	2.47 ug/l	93
65) Chlorobenzene	11.514	112	4232	2.55 ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.587	131	1629	2.57 ug/l	97
67) Ethyl Benzene	11.587	91	7791	2.50 ug/l	96
68) m/p-Xylenes	11.703	106	5789	5.03 ug/l	100
69) o-Xylene	12.026	106	2679	2.48 ug/l	99
70) Styrene	12.038	104	4113	2.22 ug/l	91
71) Bromoform	12.203	173	1024	2.52 ug/l #	98
73) Isopropylbenzene	12.331	105	7374	2.47 ug/l	97
74) N-amyl acetate	12.142	43	1986	2.21 ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	1303	2.40 ug/l	96
76) 1,2,3-Trichloropropane	12.629	75	1080m	2.56 ug/l	
77) Bromobenzene	12.605	156	1884	2.57 ug/l	97
78) n-propylbenzene	12.672	91	8800	2.47 ug/l	99
79) 2-Chlorotoluene	12.757	91	5014	2.48 ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	6284	2.47 ug/l	95
81) trans-1,4-Dichloro-2-b...	12.373	75	537m	2.37 ug/l	
82) 4-Chlorotoluene	12.849	91	5430	2.56 ug/l	99
83) tert-Butylbenzene	13.074	119	5357	2.46 ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	6204	2.44 ug/l	98
85) sec-Butylbenzene	13.251	105	7190	2.41 ug/l	98
86) p-Isopropyltoluene	13.367	119	6605	2.38 ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	3467	2.48 ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	3663	2.64 ug/l	86
89) n-Butylbenzene	13.696	91	6597	2.56 ug/l	98
90) Hexachloroethane	13.958	117	1252	2.53 ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	3168	2.56 ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	257	2.47 ug/l	77
93) 1,2,4-Trichlorobenzene	15.001	180	2506	2.82 ug/l	94
94) Hexachlorobutadiene	15.111	225	1512	2.70 ug/l	96
95) Naphthalene	15.232	128	4343	2.68 ug/l	100
96) 1,2,3-Trichlorobenzene	15.415	180	2078	2.74 ug/l	99

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

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