Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052121\
Data File : VW019047.D
Acq On : 20 May 2021 18:05
Operator : SY/VA
Sample : M2262-01 2.5PPBLOD
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : LOD-MDL-SOIL-01-QT2-2021

Manual Integrations APPROVED
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5/21/2021 1:48:59 PM

Quant Time: May 21 05:21:34 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W051921S.M
Quant Title : SW846 8260
QLast Update : Fri May 21 05:20:52 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.952	168	351576	50.00	ug/l		0.00
34) 1,4-Difluorobenzene	8.842	114	619949	50.00	ug/l		0.00
63) Chlorobenzene-d5	11.634	117	561932	50.00	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.554	152	269952	50.00	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.305	65	215268	60.03	ug/l		0.00
Spiked Amount 50.000			Recovery = 120.06%				
35) Dibromofluoromethane	7.885	113	191800	55.56	ug/l		0.00
Spiked Amount 50.000			Recovery = 111.12%				
50) Toluene-d8	10.323	98	764425	56.27	ug/l		0.00
Spiked Amount 50.000			Recovery = 112.54%				
62) 4-Bromofluorobenzene	12.615	95	266728	54.46	ug/l		0.00
Spiked Amount 50.000			Recovery = 108.92%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.008	85	5323	2.25	ug/l		81
3) Chloromethane	2.215	50	7615	2.90	ug/l		97
4) Vinyl Chloride	2.367	62	9444	2.45	ug/l		99
5) Bromomethane	2.782	94	9419	2.91	ug/l		94
6) Chloroethane	2.928	64	6553	2.47	ug/l	#	87
7) Trichlorofluoromethane	3.263	101	4448	2.10	ug/l		98
8) Diethyl Ether	3.684	74	5215	2.83	ug/l		91
9) 1,1,2-Trichlorotrifluo...	4.080	101	8860	2.58	ug/l		98
10) Methyl Iodide	4.275	142	12736	2.53	ug/l		97
11) Tert butyl alcohol	5.190	59	5391	25.82	ug/l	#	85
12) 1,1-Dichloroethene	4.050	96	8744	2.50	ug/l		90
13) Acrolein	3.897	56	2914	12.30	ug/l		97
14) Allyl chloride	4.672	41	11112	2.44	ug/l		97
15) Acrylonitrile	5.367	53	8691	12.55	ug/l		98
16) Acetone	4.135	43	12311	21.84	ug/l	#	85
17) Carbon Disulfide	4.397	76	22811	2.38	ug/l		98
18) Methyl Acetate	4.684	43	4782	2.88	ug/l		100
19) Methyl tert-butyl Ether	5.422	73	11777	2.68	ug/l		99
20) Methylene Chloride	4.922	84	36144	7.15	ug/l		95
21) trans-1,2-Dichloroethene	5.428	96	10679	2.67	ug/l		95
22) Diisopropyl ether	6.318	45	23285	2.51	ug/l		92
23) Vinyl Acetate	6.263	43	69491	11.14	ug/l		95
24) 1,1-Dichloroethane	6.220	63	19149	2.67	ug/l		99
25) 2-Butanone	7.177	43	13475	14.55	ug/l		95
26) 2,2-Dichloropropane	7.159	77	12317	3.19	ug/l		87
27) cis-1,2-Dichloroethene	7.171	96	11828	2.66	ug/l		92
28) Bromochloromethane	7.513	49	7723	2.65	ug/l		98
29) Tetrahydrofuran	7.537	42	7701	14.22	ug/l		94
30) Chloroform	7.677	83	20025	2.74	ug/l		93
31) Cyclohexane	7.952	56	22459	3.74	ug/l	#	68
32) 1,1,1-Trichloroethane	7.872	97	14155	2.61	ug/l		98
36) 1,1-Dichloropropene	8.086	75	15391	2.49	ug/l		99
37) Ethyl Acetate	7.257	43	7975	3.34	ug/l		98
38) Carbon Tetrachloride	8.067	117	13011	2.39	ug/l		96
39) Methylcyclohexane	9.342	83	16618	2.43	ug/l		96
40) Benzene	8.323	78	43473	2.52	ug/l		97

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.488	41	2983	2.29	ug/l		94
42) 1,2-Dichloroethane	8.403	62	13384	2.62	ug/l		99
43) Isopropyl Acetate	8.427	43	10440	2.34	ug/l		98
44) Trichloroethene	9.092	130	11120	2.50	ug/l		95
45) 1,2-Dichloropropane	9.372	63	10745	2.57	ug/l		97
46) Dibromomethane	9.457	93	5640	2.49	ug/l		98
47) Bromodichloromethane	9.646	83	13593	2.41	ug/l		94
48) Methyl methacrylate	9.439	41	4157	2.03	ug/l	#	84
49) 1,4-Dioxane	9.457	88	1376	53.26	ug/l		94
51) 4-Methyl-2-Pentanone	10.207	43	28903	12.52	ug/l		97
52) Toluene	10.390	92	27664	2.53	ug/l		98
53) t-1,3-Dichloropropene	10.604	75	11931	2.15	ug/l		94
54) cis-1,3-Dichloropropene	10.073	75	14156	2.14	ug/l	#	90
55) 1,1,2-Trichloroethane	10.786	97	7465	2.38	ug/l		98
56) Ethyl methacrylate	10.646	69	8556	2.17	ug/l		95
57) 1,3-Dichloropropane	10.933	76	14079	2.51	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.927	63	24839	12.21	ug/l		98
59) 2-Hexanone	10.969	43	17253	11.25	ug/l		96
60) Dibromochloromethane	11.128	129	7580	2.16	ug/l		95
61) 1,2-Dibromoethane	11.238	107	7226	2.40	ug/l		99
64) Tetrachloroethene	10.860	164	9234	2.53	ug/l		92
65) Chlorobenzene	11.658	112	29473	2.58	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.725	131	9149	2.35	ug/l		98
67) Ethyl Benzene	11.731	91	50990	2.41	ug/l		99
68) m/p-Xylenes	11.835	106	36871	4.64	ug/l		98
69) o-Xylene	12.164	106	17395	2.35	ug/l		98
70) Styrene	12.183	104	28229	2.25	ug/l		99
71) Bromoform	12.347	173	4339	2.22	ug/l	#	97
73) Isopropylbenzene	12.463	105	45841	2.32	ug/l		100
74) N-amyl acetate	12.274	43	9311	2.28	ug/l		94
75) 1,1,2,2-Tetrachloroethane	12.713	83	9375	2.65	ug/l		99
76) 1,2,3-Trichloropropane	12.768	75	5812m	2.28	ug/l		
77) Bromobenzene	12.743	156	11291	2.59	ug/l		97
78) n-propylbenzene	12.804	91	57935	2.39	ug/l		98
79) 2-Chlorotoluene	12.890	91	34222	2.48	ug/l		98
80) 1,3,5-Trimethylbenzene	12.945	105	39969	2.38	ug/l		95
81) trans-1,4-Dichloro-2-b...	12.512	75	2103m	2.01	ug/l		
82) 4-Chlorotoluene	12.987	91	35524	2.43	ug/l		99
83) tert-Butylbenzene	13.207	119	34041	2.40	ug/l		98
84) 1,2,4-Trimethylbenzene	13.249	105	39273	2.36	ug/l		97
85) sec-Butylbenzene	13.384	105	50280	2.40	ug/l		99
86) p-Isopropyltoluene	13.499	119	40856	2.25	ug/l		97
87) 1,3-Dichlorobenzene	13.499	146	22960	2.58	ug/l		98
88) 1,4-Dichlorobenzene	13.579	146	23250	2.65	ug/l		86
89) n-Butylbenzene	13.823	91	42954	2.40	ug/l		98
90) Hexachloroethane	14.091	117	6696	2.35	ug/l		94
91) 1,2-Dichlorobenzene	13.865	146	20429	2.59	ug/l		95
92) 1,2-Dibromo-3-Chloropr...	14.481	75	1471	2.60	ug/l		84
93) 1,2,4-Trichlorobenzene	15.133	180	13302	2.52	ug/l		95
94) Hexachlorobutadiene	15.231	225	7450	2.44	ug/l		95
95) Naphthalene	15.365	128	23384	2.43	ug/l		99
96) 1,2,3-Trichlorobenzene	15.554	180	11934	2.61	ug/l		97

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

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