Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090921\
Data File : VW020007.D
Acq On : 09 Sep 2021 17:38
Operator : SY/VA
Sample : M2940-03 2.5PPBMDL
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT3-2021DL

Manual Integrations APPROVED
MMDadoda
9/10/2021 6:38:37 PM

Quant Time: Sep 10 04:10:04 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W090721S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 10 04:09:36 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.951	168	181258	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.848	114	300015	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.634	117	277995	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.560	152	133843	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.311	65	111177	52.836	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.680%				
35) Dibromofluoromethane	7.891	113	101752	51.645	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.300%				
50) Toluene-d8	10.329	98	374202	51.094	ug/l		0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.180%				
62) 4-Bromofluorobenzene	12.621	95	134329	49.570	ug/l		0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 99.140%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.014	85	2575	2.339	ug/l		96
3) Chloromethane	2.221	50	4730	2.887	ug/l		99
4) Vinyl Chloride	2.367	62	6573	2.474	ug/l		97
5) Bromomethane	2.788	94	5600	2.600	ug/l		98
6) Chloroethane	2.928	64	4467	2.441	ug/l		93
7) Trichlorofluoromethane	3.269	101	3288	2.163	ug/l		85
8) Diethyl Ether	3.696	74	2257	2.425	ug/l		90
9) 1,1,2-Trichlorotrifluo...	4.062	101	5077	2.558	ug/l		99
10) Methyl Iodide	4.281	142	6454	2.374	ug/l		97
11) Tert butyl alcohol	5.135	59	4784	47.499	ug/l	#	72
12) 1,1-Dichloroethene	4.050	96	4677	2.501	ug/l		84
13) Acrolein	3.903	56	768	10.007	ug/l	#	77
14) Allyl chloride	4.672	41	5892	2.316	ug/l		96
15) Acrylonitrile	5.373	53	5027	12.960	ug/l		95
16) Acetone	4.123	43	7835	23.183	ug/l	#	88
17) Carbon Disulfide	4.385	76	13844	2.432	ug/l		99
18) Methyl Acetate	4.678	43	2822	2.941	ug/l		100
19) Methyl tert-butyl Ether	5.428	73	5956	2.414	ug/l		98
20) Methylene Chloride	4.928	84	16171	6.363	ug/l		93
21) trans-1,2-Dichloroethene	5.434	96	5233	2.463	ug/l		98
22) Diisopropyl ether	6.318	45	11274	2.092	ug/l		97
23) Vinyl Acetate	6.263	43	28044	9.537	ug/l		98
24) 1,1-Dichloroethane	6.220	63	9349	2.449	ug/l		97
25) 2-Butanone	7.177	43	7319	15.105	ug/l		94
26) 2,2-Dichloropropane	7.171	77	7640	3.310	ug/l		86
27) cis-1,2-Dichloroethene	7.171	96	5495	2.422	ug/l		82
28) Bromochloromethane	7.513	49	4037	2.665	ug/l		99
29) Tetrahydrofuran	7.531	42	3439	11.408	ug/l		93
30) Chloroform	7.677	83	10039	2.496	ug/l		100
31) Cyclohexane	7.951	56	11784	3.435	ug/l	#	69
32) 1,1,1-Trichloroethane	7.872	97	8057	2.476	ug/l		99
36) 1,1-Dichloropropene	8.086	75	7391	2.342	ug/l		97
37) Ethyl Acetate	7.263	43	3447	2.971	ug/l	#	93
38) Carbon Tetrachloride	8.067	117	7412	2.303	ug/l		95
39) Methylcyclohexane	9.341	83	8274	2.262	ug/l		98
40) Benzene	8.329	78	21897	2.519	ug/l		100

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.488	41	1290	2.008	ug/l	#	89
42) 1,2-Dichloroethane	8.403	62	6563	2.459	ug/l		98
43) Isopropyl Acetate	8.427	43	5116	2.323	ug/l		96
44) Trichloroethene	9.092	130	5828	2.555	ug/l		93
45) 1,2-Dichloropropane	9.372	63	5109	2.417	ug/l		96
46) Dibromomethane	9.463	93	2877	2.412	ug/l		98
47) Bromodichloromethane	9.646	83	6638	2.234	ug/l	#	94
48) Methyl methacrylate	9.439	41	1968	2.043	ug/l		99
49) 1,4-Dioxane	9.451	88	687	45.104	ug/l	#	84
51) 4-Methyl-2-Pentanone	10.213	43	14352	12.569	ug/l		95
52) Toluene	10.390	92	13591	2.469	ug/l		96
53) t-1,3-Dichloropropene	10.610	75	5886	2.065	ug/l	#	87
54) cis-1,3-Dichloropropene	10.079	75	6863	2.068	ug/l		93
55) 1,1,2-Trichloroethane	10.786	97	3817	2.362	ug/l		95
56) Ethyl methacrylate	10.646	69	3433	1.899	ug/l		97
57) 1,3-Dichloropropane	10.933	76	6530	2.355	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.927	63	9311	11.283	ug/l		100
59) 2-Hexanone	10.969	43	8057	10.558	ug/l		93
60) Dibromochloromethane	11.128	129	4183	2.236	ug/l		99
61) 1,2-Dibromoethane	11.237	107	3637	2.403	ug/l		95
64) Tetrachloroethene	10.866	164	4962	2.572	ug/l		94
65) Chlorobenzene	11.658	112	14706	2.461	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.731	131	4840	2.273	ug/l		97
67) Ethyl Benzene	11.731	91	23288	2.209	ug/l		95
68) m/p-Xylenes	11.841	106	17381	4.178	ug/l		97
69) o-Xylene	12.164	106	7886	2.069	ug/l		100
70) Styrene	12.182	104	11846	1.834	ug/l		99
71) Bromoform	12.353	173	2208	2.106	ug/l	#	94
73) Isopropylbenzene	12.463	105	20312	2.145	ug/l		99
74) N-amyl acetate	12.274	43	3719	1.913	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.713	83	4396	2.528	ug/l		99
76) 1,2,3-Trichloropropane	12.768	75	3667m	2.949	ug/l		
77) Bromobenzene	12.749	156	5571	2.536	ug/l		96
78) n-propylbenzene	12.804	91	28633	2.401	ug/l		98
79) 2-Chlorotoluene	12.890	91	16967	2.444	ug/l		99
80) 1,3,5-Trimethylbenzene	12.944	105	18167	2.176	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.512	75	1041m	2.027	ug/l		
82) 4-Chlorotoluene	12.987	91	17395	2.384	ug/l		100
83) tert-Butylbenzene	13.207	119	15061	2.154	ug/l		100
84) 1,2,4-Trimethylbenzene	13.249	105	17738	2.170	ug/l		99
85) sec-Butylbenzene	13.383	105	24110	2.271	ug/l		100
86) p-Isopropyltoluene	13.499	119	19053	2.131	ug/l		99
87) 1,3-Dichlorobenzene	13.499	146	11731	2.519	ug/l		97
88) 1,4-Dichlorobenzene	13.579	146	12642	2.735	ug/l		90
89) n-Butylbenzene	13.822	91	19086	2.229	ug/l		97
90) Hexachloroethane	14.091	117	4182	2.448	ug/l		99
91) 1,2-Dichlorobenzene	13.871	146	10135	2.505	ug/l		95
92) 1,2-Dibromo-3-Chloropr...	14.493	75	857	3.003	ug/l		80
93) 1,2,4-Trichlorobenzene	15.127	180	6079	2.464	ug/l		96
94) Hexachlorobutadiene	15.231	225	3719	2.538	ug/l		88
95) Naphthalene	15.365	128	9567	2.242	ug/l		97
96) 1,2,3-Trichlorobenzene	15.554	180	5401	2.498	ug/l		98

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

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