Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020321\
Data File : VD068259.D
Acq On : 03 Feb 2021 13:39
Operator : VA/SY
Sample : M1292-03MSD
Misc : 7.14G/5.00ml/MSVOA_D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
OU421-005-0510MSD

Manual Integrations APPROVED
MMDadoda
2/4/2021 10:35:27 AM

Quant Time: Feb 03 23:41:11 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
Quant Title : SW846 8260
QLast Update : Tue Jan 19 13:19:08 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.985	168	27437	50.00	ug/l		0.00
34) 1,4-Difluorobenzene	8.867	114	52026	50.00	ug/l		0.00
63) Chlorobenzene-d5	11.649	117	51618	50.00	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	22112	50.00	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.338	65	20811	79.29	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 158.58%				
35) Dibromofluoromethane	7.920	113	14929	51.90	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.80%				
50) Toluene-d8	10.344	98	49528	43.05	ug/l		0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 86.10%				
62) 4-Bromofluorobenzene	12.632	95	21343	51.51	ug/l		0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 103.02%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.985	85	12130	37.22	ug/l		96
3) Chloromethane	2.209	50	16212	46.19	ug/l		91
4) Vinyl Chloride	2.350	62	16921	43.34	ug/l		92
5) Bromomethane	2.779	94	17382	64.92	ug/l		95
6) Chloroethane	2.926	64	12468	52.28	ug/l		100
7) Trichlorofluoromethane	3.279	101	21162	41.30	ug/l		99
8) Diethyl Ether	3.715	74	12685	84.08	ug/l		89
9) 1,1,2-Trichlorotrifluo...	4.097	101	12570	42.06	ug/l		95
10) Methyl Iodide	4.303	142	13331	40.41	ug/l		95
11) Tert butyl alcohol	5.220	59	22866	1223.08	ug/l	#	88
12) 1,1-Dichloroethene	4.073	96	12855	42.77	ug/l		84
13) Acrolein	3.926	56	19675	951.25	ug/l		100
14) Allyl chloride	4.726	41	21608	49.42	ug/l		93
15) Acrylonitrile	5.420	53	68781	1150.84	ug/l		99
16) Acetone	4.162	43	59021	1259.40	ug/l		93
17) Carbon Disulfide	4.415	76	39484	40.78	ug/l	#	93
18) Methyl Acetate	4.720	43	31192	256.44	ug/l	#	85
19) Methyl tert-butyl Ether	5.479	73	69878	100.55	ug/l	#	89
20) Methylene Chloride	4.967	84	21833	68.21	ug/l		90
21) trans-1,2-Dichloroethene	5.479	96	16718	48.45	ug/l		95
22) Diisopropyl ether	6.367	45	62545	70.89	ug/l	#	92
23) Vinyl Acetate	6.309	43	249013	529.48	ug/l		100
24) 1,1-Dichloroethane	6.273	63	30385	53.15	ug/l		95
25) 2-Butanone	7.214	43	84992	1204.46	ug/l		99
26) 2,2-Dichloropropane	7.214	77	24388	45.09	ug/l		97
27) cis-1,2-Dichloroethene	7.214	96	21850	58.32	ug/l		99
28) Bromochloromethane	7.544	49	14788	75.93	ug/l	#	76
29) Tetrahydrofuran	7.561	42	54017	1180.87	ug/l		95
30) Chloroform	7.720	83	34113	59.05	ug/l		91
31) Cyclohexane	7.991	56	20024	35.23	ug/l		93
32) 1,1,1-Trichloroethane	7.908	97	23332	44.82	ug/l		94
36) 1,1-Dichloropropene	8.114	75	20988	40.00	ug/l		98
37) Ethyl Acetate	7.297	43	34909	188.10	ug/l	#	93
38) Carbon Tetrachloride	8.097	117	16997	34.61	ug/l		92
39) Methylcyclohexane	9.355	83	17858	26.04	ug/l	#	85
40) Benzene	8.355	78	69899	47.65	ug/l		94

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.520	41	11838m	105.69	ug/l		
42) 1,2-Dichloroethane	8.426	62	29874	76.22	ug/l		98
43) Isopropyl Acetate	8.455	43	50620	130.88	ug/l	#	90
44) Trichloroethene	9.114	130	18624	46.23	ug/l		99
45) 1,2-Dichloropropane	9.391	63	20058	55.84	ug/l		95
46) Dibromomethane	9.473	93	15995	87.87	ug/l		92
47) Bromodichloromethane	9.667	83	29407	59.88	ug/l	#	96
48) Methyl methacrylate	9.461	41	25196	130.89	ug/l		93
49) 1,4-Dioxane	9.461	88	10712	5021.86	ug/l	#	84
51) 4-Methyl-2-Pentanone	10.232	43	159567	887.56	ug/l		96
52) Toluene	10.408	92	43744	45.77	ug/l		95
53) t-1,3-Dichloropropene	10.626	75	34572	69.54	ug/l		97
54) cis-1,3-Dichloropropene	10.097	75	34921	59.01	ug/l		98
55) 1,1,2-Trichloroethane	10.802	97	21879	84.82	ug/l	#	88
56) Ethyl methacrylate	10.661	69	34943	101.69	ug/l	#	92
57) 1,3-Dichloropropane	10.944	76	38515	84.62	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.944	63	98023	618.16	ug/l		90
59) 2-Hexanone	10.985	43	114822	921.38	ug/l		99
60) Dibromochloromethane	11.138	129	23433	72.45	ug/l		98
61) 1,2-Dibromoethane	11.249	107	24082	94.62	ug/l		98
64) Tetrachloroethene	10.873	164	13094	35.99	ug/l		97
65) Chlorobenzene	11.673	112	51029	46.53	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.744	131	19548	50.67	ug/l		96
67) Ethyl Benzene	11.749	91	78218	38.52	ug/l		100
68) m/p-Xylenes	11.855	106	57585	75.11	ug/l		95
69) o-Xylene	12.185	106	31889	44.79	ug/l		91
70) Styrene	12.196	104	53586	44.09	ug/l		99
71) Bromoform	12.367	173	17284	88.39	ug/l	#	99
73) Isopropylbenzene	12.479	105	68434	37.19	ug/l		98
74) N-amyl acetate	12.291	43	39089	102.21	ug/l		94
75) 1,1,2,2-Tetrachloroethane	12.732	83	35420	121.03	ug/l		97
76) 1,2,3-Trichloropropane	12.785	75	29608m	138.49	ug/l		
77) Bromobenzene	12.761	156	20277	51.40	ug/l		63
78) n-propylbenzene	12.820	91	75231	34.56	ug/l		98
79) 2-Chlorotoluene	12.908	91	49400	40.42	ug/l		95
80) 1,3,5-Trimethylbenzene	12.961	105	56496	36.87	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.526	75	11706	110.79	ug/l		94
82) 4-Chlorotoluene	13.008	91	51984	40.90	ug/l		96
83) tert-Butylbenzene	13.220	119	44123	33.98	ug/l		96
84) 1,2,4-Trimethylbenzene	13.273	105	58377	38.38	ug/l		98
85) sec-Butylbenzene	13.402	105	53530	29.47	ug/l		99
86) p-Isopropyltoluene	13.520	119	50988	30.86	ug/l		98
87) 1,3-Dichlorobenzene	13.514	146	31789	41.91	ug/l		96
88) 1,4-Dichlorobenzene	13.596	146	34144	45.69	ug/l		99
89) n-Butylbenzene	13.843	91	40928	25.82	ug/l		96
90) Hexachloroethane	14.114	117	8081	27.08	ug/l		92
91) 1,2-Dichlorobenzene	13.890	146	32858	50.58	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.502	75	7276	151.91	ug/l		80
93) 1,2,4-Trichlorobenzene	15.161	180	16148	36.26	ug/l		95
94) Hexachlorobutadiene	15.267	225	3957	16.03	ug/l		92
95) Naphthalene	15.402	128	72909	87.31	ug/l		99
96) 1,2,3-Trichlorobenzene	15.596	180	15500	41.26	ug/l		97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

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