Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031621\
Data File : VD068626.D
Acq On : 16 Mar 2021 12:38
Operator : VA/SY
Sample : VD0316SBSD01
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0316SBSD01

Manual Integrations APPROVED
MMDadoda
3/17/2021 11:47:36 AM

Quant Time: Mar 17 01:05:15 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
Quant Title : SW846 8260
QLast Update : Fri Feb 26 14:04:14 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.985	168	258229	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	443832	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	401554	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	228637	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	117931	45.71	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 91.42%			
35) Dibromofluoromethane	7.914	113	125312	46.87	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 93.74%			
50) Toluene-d8	10.344	98	477468	44.84	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 89.68%			
62) 4-Bromofluorobenzene	12.632	95	165642	48.26	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 96.52%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	52501	20.95	ug/l	98
3) Chloromethane	2.215	50	64399	20.33	ug/l	98
4) Vinyl Chloride	2.350	62	80905	21.52	ug/l	96
5) Bromomethane	2.756	94	56988	21.28	ug/l	91
6) Chloroethane	2.920	64	53277	21.91	ug/l	96
7) Trichlorofluoromethane	3.273	101	97475	22.72	ug/l	96
8) Diethyl Ether	3.709	74	26579	20.81	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.097	101	55813	21.35	ug/l	95
10) Methyl Iodide	4.297	142	51809	18.33	ug/l	96
11) Tert butyl alcohol	5.232	59	14723	106.88	ug/l	95
12) 1,1-Dichloroethene	4.073	96	55286	21.32	ug/l	96
13) Acrolein	3.920	56	15415	78.30	ug/l	98
14) Allyl chloride	4.720	41	66430	19.84	ug/l	97
15) Acrylonitrile	5.432	53	61820	114.68	ug/l	98
16) Acetone	4.161	43	41632	101.59	ug/l #	79
17) Carbon Disulfide	4.409	76	167925	19.76	ug/l	98
18) Methyl Acetate	4.720	43	21784	20.62	ug/l	96
19) Methyl tert-butyl Ether	5.473	73	134835	23.98	ug/l	92
20) Methylene Chloride	4.967	84	70762	20.65	ug/l	97
21) trans-1,2-Dichloroethene	5.479	96	73656	23.79	ug/l	94
22) Diisopropyl ether	6.361	45	153079	20.76	ug/l	90
23) Vinyl Acetate	6.308	43	380198	99.38	ug/l	99
24) 1,1-Dichloroethane	6.267	63	106021	20.98	ug/l	98
25) 2-Butanone	7.214	43	59781	101.48	ug/l	99
26) 2,2-Dichloropropane	7.214	77	93884	22.30	ug/l	99
27) cis-1,2-Dichloroethene	7.214	96	69846	20.55	ug/l	96
28) Bromochloromethane	7.550	49	39217	19.88	ug/l	80
29) Tetrahydrofuran	7.567	42	37337	97.60	ug/l	99
30) Chloroform	7.714	83	114302	21.41	ug/l	96
31) Cyclohexane	7.991	56	92225	19.66	ug/l	98
32) 1,1,1-Trichloroethane	7.902	97	101040	22.18	ug/l	96
36) 1,1-Dichloropropene	8.114	75	87362	20.71	ug/l	98
37) Ethyl Acetate	7.297	43	27668	19.77	ug/l	98
38) Carbon Tetrachloride	8.102	117	85817	21.65	ug/l	98
39) Methylcyclohexane	9.355	83	103888	19.97	ug/l	99
40) Benzene	8.355	78	251586	20.79	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.538	41	17282m	21.27	ug/l		
42) 1,2-Dichloroethane	8.432	62	66415	20.87	ug/l		99
43) Isopropyl Acetate	8.455	43	53952	20.97	ug/l		97
44) Trichloroethene	9.114	130	66340	19.97	ug/l		87
45) 1,2-Dichloropropane	9.385	63	60169	20.80	ug/l		98
46) Dibromomethane	9.473	93	33114	21.04	ug/l		94
47) Bromodichloromethane	9.661	83	88303	21.69	ug/l		96
48) Methyl methacrylate	9.455	41	28007	20.42	ug/l		97
49) 1,4-Dioxane	9.467	88	7367	410.45	ug/l		93
51) 4-Methyl-2-Pentanone	10.232	43	138137	102.61	ug/l		100
52) Toluene	10.402	92	162749	21.06	ug/l		94
53) t-1,3-Dichloropropene	10.620	75	80231	21.32	ug/l		100
54) cis-1,3-Dichloropropene	10.091	75	98609	21.48	ug/l		96
55) 1,1,2-Trichloroethane	10.802	97	47173	21.66	ug/l	#	89
56) Ethyl methacrylate	10.661	69	51409	20.53	ug/l		99
57) 1,3-Dichloropropane	10.943	76	80617	21.21	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.944	63	121108	96.42	ug/l		94
59) 2-Hexanone	10.985	43	91913	102.43	ug/l		98
60) Dibromochloromethane	11.143	129	56563	20.98	ug/l		98
61) 1,2-Dibromoethane	11.243	107	45550	21.37	ug/l		95
64) Tetrachloroethene	10.879	164	57191	21.81	ug/l		95
65) Chlorobenzene	11.673	112	173516	21.22	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.743	131	62099	21.85	ug/l		97
67) Ethyl Benzene	11.743	91	309018	21.17	ug/l		97
68) m/p-Xylenes	11.855	106	244904	44.18	ug/l		99
69) o-Xylene	12.179	106	112306	22.00	ug/l		95
70) Styrene	12.196	104	195768	22.42	ug/l		98
71) Bromoform	12.355	173	32925	22.80	ug/l	#	99
73) Isopropylbenzene	12.479	105	305083	17.99	ug/l		100
74) N-amyl acetate	12.285	43	50303	17.41	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.726	83	54287	18.61	ug/l		99
76) 1,2,3-Trichloropropane	12.779	75	37953m	18.70	ug/l		
77) Bromobenzene	12.761	156	75066	19.40	ug/l		93
78) n-propylbenzene	12.820	91	395248	19.51	ug/l		97
79) 2-Chlorotoluene	12.908	91	222902	19.82	ug/l		98
80) 1,3,5-Trimethylbenzene	12.955	105	269040	19.36	ug/l		97
81) trans-1,4-Dichloro-2-b...	12.526	75	16331	18.78	ug/l		93
82) 4-Chlorotoluene	13.002	91	230355	19.47	ug/l		99
83) tert-Butylbenzene	13.220	119	234973	19.86	ug/l		97
84) 1,2,4-Trimethylbenzene	13.267	105	272183	19.55	ug/l		99
85) sec-Butylbenzene	13.396	105	332491	19.89	ug/l		98
86) p-Isopropyltoluene	13.514	119	321185	21.17	ug/l		99
87) 1,3-Dichlorobenzene	13.514	146	156395	20.92	ug/l		98
88) 1,4-Dichlorobenzene	13.590	146	158266	21.37	ug/l		99
89) n-Butylbenzene	13.837	91	305941	20.90	ug/l		97
90) Hexachloroethane	14.108	117	52522	17.42	ug/l		91
91) 1,2-Dichlorobenzene	13.884	146	138773	21.65	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.502	75	9405	18.29	ug/l		88
93) 1,2,4-Trichlorobenzene	15.155	180	95869	19.36	ug/l		96
94) Hexachlorobutadiene	15.261	225	53352	19.41	ug/l		98
95) Naphthalene	15.396	128	158070	17.63	ug/l		99
96) 1,2,3-Trichlorobenzene	15.590	180	79999	18.66	ug/l		96

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

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