Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031921\
Data File : VD068670.D
Acq On : 19 Mar 2021 19:11
Operator : VA/SY
Sample : VD0319SBSD01
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0319SBSD01

Manual Integrations APPROVED
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3/22/2021 11:37:07 AM

Quant Time: Mar 20 02:07:16 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031921S.M
Quant Title : SW846 8260
QLast Update : Sat Mar 20 02:00:55 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.979	168	304906	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	544488	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	496028	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	234185	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	175209	56.99	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.98%			
35) Dibromofluoromethane	7.920	113	187033	55.21	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.42%			
50) Toluene-d8	10.344	98	735485	56.31	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 112.62%			
62) 4-Bromofluorobenzene	12.632	95	234144	55.29	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 110.58%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	41985	17.62	ug/l	100
3) Chloromethane	2.209	50	57614	19.62	ug/l	99
4) Vinyl Chloride	2.350	62	68615	19.77	ug/l	99
5) Bromomethane	2.756	94	52724	20.56	ug/l	99
6) Chloroethane	2.920	64	46599	20.50	ug/l	96
7) Trichlorofluoromethane	3.273	101	81486	19.69	ug/l	98
8) Diethyl Ether	3.709	74	24299	21.24	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.103	101	49403	19.96	ug/l	97
10) Methyl Iodide	4.303	142	46803	18.41	ug/l	99
11) Tert butyl alcohol	5.238	59	14654m	103.43	ug/l	
12) 1,1-Dichloroethene	4.067	96	47661	19.78	ug/l	97
13) Acrolein	3.926	56	17240	139.68	ug/l	98
14) Allyl chloride	4.720	41	67088	22.91	ug/l	97
15) Acrylonitrile	5.426	53	61148	109.81	ug/l	98
16) Acetone	4.156	43	35851	96.11	ug/l	98
17) Carbon Disulfide	4.409	76	146099	18.88	ug/l	98
18) Methyl Acetate	4.720	43	23843	23.25	ug/l	99
19) Methyl tert-butyl Ether	5.479	73	133329	21.96	ug/l	94
20) Methylene Chloride	4.973	84	88849	24.51	ug/l	98
21) trans-1,2-Dichloroethene	5.467	96	72272	21.57	ug/l	96
22) Diisopropyl ether	6.361	45	159633	21.45	ug/l	93
23) Vinyl Acetate	6.308	43	418783	105.92	ug/l	99
24) 1,1-Dichloroethane	6.267	63	119145	21.83	ug/l	100
25) 2-Butanone	7.220	43	63562	102.84	ug/l	93
26) 2,2-Dichloropropane	7.214	77	96224	19.82	ug/l	100
27) cis-1,2-Dichloroethene	7.214	96	80195	21.48	ug/l	99
28) Bromochloromethane	7.550	49	41412	19.19	ug/l	96
29) Tetrahydrofuran	7.567	42	39823	101.93	ug/l	97
30) Chloroform	7.714	83	129591	21.85	ug/l	94
31) Cyclohexane	7.991	56	95545	19.26	ug/l	99
32) 1,1,1-Trichloroethane	7.903	97	110346	20.84	ug/l	99
36) 1,1-Dichloropropene	8.114	75	95405	19.62	ug/l	98
37) Ethyl Acetate	7.297	43	29324	19.11	ug/l	97
38) Carbon Tetrachloride	8.097	117	98100	20.21	ug/l	94
39) Methylcyclohexane	9.355	83	111191	18.52	ug/l	96
40) Benzene	8.355	78	286053	20.16	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.526	41	14923m	16.62	ug/l		
42) 1,2-Dichloroethane	8.432	62	77392	20.84	ug/l		98
43) Isopropyl Acetate	8.455	43	60293	20.48	ug/l		98
44) Trichloroethene	9.114	130	77639	19.72	ug/l		91
45) 1,2-Dichloropropane	9.391	63	71042	20.93	ug/l		100
46) Dibromomethane	9.479	93	38437	19.91	ug/l		95
47) Bromodichloromethane	9.667	83	104679	21.14	ug/l		98
48) Methyl methacrylate	9.455	41	28399	19.04	ug/l		92
49) 1,4-Dioxane	9.461	88	9218	429.76	ug/l	#	87
51) 4-Methyl-2-Pentanone	10.232	43	155725	101.61	ug/l		94
52) Toluene	10.402	92	184538	20.55	ug/l		100
53) t-1,3-Dichloropropene	10.620	75	93469	20.52	ug/l		97
54) cis-1,3-Dichloropropene	10.091	75	111340	20.58	ug/l		97
55) 1,1,2-Trichloroethane	10.796	97	54297	20.00	ug/l		95
56) Ethyl methacrylate	10.661	69	58206	19.84	ug/l		96
57) 1,3-Dichloropropane	10.949	76	94076	21.23	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.944	63	136320	91.20	ug/l		100
59) 2-Hexanone	10.985	43	103241	100.33	ug/l		98
60) Dibromochloromethane	11.138	129	67994	20.19	ug/l		96
61) 1,2-Dibromoethane	11.249	107	54483	20.79	ug/l		98
64) Tetrachloroethene	10.879	164	66020	20.53	ug/l		94
65) Chlorobenzene	11.667	112	202389	20.73	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.743	131	71666	20.40	ug/l		99
67) Ethyl Benzene	11.743	91	348592	20.47	ug/l		99
68) m/p-Xylenes	11.849	106	271270	40.88	ug/l		98
69) o-Xylene	12.179	106	123539	20.09	ug/l		99
70) Styrene	12.191	104	217250	20.56	ug/l		100
71) Bromoform	12.361	173	38288	20.67	ug/l	#	100
73) Isopropylbenzene	12.479	105	333777	20.74	ug/l		100
74) N-amyl acetate	12.285	43	55716	20.77	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.732	83	60231	21.19	ug/l		99
76) 1,2,3-Trichloropropane	12.779	75	31183m	16.00	ug/l		
77) Bromobenzene	12.761	156	79340	21.02	ug/l		97
78) n-propylbenzene	12.820	91	404267	21.10	ug/l		100
79) 2-Chlorotoluene	12.902	91	219958	21.04	ug/l		99
80) 1,3,5-Trimethylbenzene	12.955	105	272660	20.95	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.526	75	18479	21.57	ug/l		93
82) 4-Chlorotoluene	13.002	91	235206	21.06	ug/l		98
83) tert-Butylbenzene	13.220	119	235757	21.26	ug/l		99
84) 1,2,4-Trimethylbenzene	13.267	105	283881	21.12	ug/l		98
85) sec-Butylbenzene	13.396	105	333746	20.70	ug/l		99
86) p-Isopropyltoluene	13.514	119	299645	20.42	ug/l		99
87) 1,3-Dichlorobenzene	13.514	146	155394	20.65	ug/l		99
88) 1,4-Dichlorobenzene	13.590	146	151543	20.48	ug/l		97
89) n-Butylbenzene	13.838	91	282407	20.28	ug/l		100
90) Hexachloroethane	14.108	117	57445	21.76	ug/l		100
91) 1,2-Dichlorobenzene	13.885	146	133700	20.91	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.496	75	8855	21.77	ug/l		97
93) 1,2,4-Trichlorobenzene	15.155	180	87282	21.01	ug/l		97
94) Hexachlorobutadiene	15.261	225	46369	19.55	ug/l		96
95) Naphthalene	15.396	128	149056	20.49	ug/l		99
96) 1,2,3-Trichlorobenzene	15.590	180	74888	21.17	ug/l		100

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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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